



October 19, 2005

Delta Environmental Consultants Inc.  
3164 Gold Camp Drive, Suite 200  
Rancho Cordova, CA 95670

ATTN: MR. JAN WAGONER

SITE: 76 STATION 3312  
1311 FOURTH STREET  
SANTA ROSA, CALIFORNIA

RE: QUARTERLY MONITORING REPORT  
JULY THROUGH SEPTEMBER 2005

This Quarterly Monitoring Report for 76 Station 3312 is being sent to you for your review and comment. If no comments are received by **October 26, 2005**, copies of this report will be sent to you for distribution.

Please send all comments to me at [cherrera@trcsolutions.com](mailto:cherrera@trcsolutions.com). If you have any questions regarding this report, please call me at (949) 727-7345.

Sincerely,

TRC

A handwritten signature consisting of three overlapping circles on the left and a vertical line with a small flourish on the right.

Christina Carrillo  
Technical Writer



October 19, 2005

ConocoPhillips Company  
76 Broadway  
Sacramento, CA 95818

ATTN: MR. THOMAS H. KOSEL

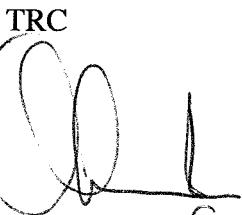
SITE: 76 STATION 3312  
1311 FOURTH STREET  
SANTA ROSA, CALIFORNIA

RE: QUARTERLY MONITORING REPORT  
JULY THROUGH SEPTEMBER 2005

Dear Mr. Kosel:

Please find enclosed our Quarterly Monitoring Report for 76 Station 3312, located at 1311 Fourth Street, Santa Rosa, California. If you have any questions regarding this report, please call us at (949) 753-0101.

Sincerely,

TRC  
A handwritten signature consisting of stylized initials and a surname.

Anju Farfan  
QMS Operations Manager

CC: Mr. Jan Wagoner, Delta Environmental Inc. (3 copies)

Enclosures  
20-0400/3312R08.QMS



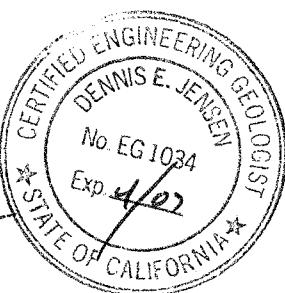
**QUARTERLY MONITORING REPORT  
JULY THROUGH SEPTEMBER 2005**

76 Station 3312  
1311 Fourth Street  
Santa Rosa, California

Prepared For:

Mr. Thomas H. Kosel  
CONOCOPHILLIPS COMPANY  
76 Broadway  
Sacramento, California 95818

By:



The circular seal contains the following text:  
CERTIFIED ENGINEERING GEOLOGIST  
DENNIS E. JENSEN  
No. EG 1034  
Exp. 4/02  
\* STATE OF CALIFORNIA \*

Senior Project Geologist, Irvine Operations  
October 18, 2005

## LIST OF ATTACHMENTS

Summary Sheet	Summary of Gauging and Sampling Activities
Tables	<p>Table Key</p> <p>Table 1: Current Fluid Levels and Selected Analytical Results</p> <p>Table 2: Historic Fluid Levels and Selected Analytical Results</p> <p>Table 3: Additional Analytical Results</p> <p>Table 3b: Additional Analytical Results</p> <p>Table 3c: Additional Analytical Results</p> <p>Table 3d: Additional Analytical Results</p>
Coordinated Event Data	<p><i>Former Cloudburst Car Wash</i></p> <p>Table 1: Groundwater Level Data</p> <p>Table 2: Analytical Results: Groundwater</p> <p><i>Cambria Laboratory Data (B&amp;S Auto)</i></p> <p>Not gauged or sampled</p>
Figures	<p>Figure 1: Vicinity Map</p> <p>Figure 2A: Groundwater Elevation Contour Map (shallow wells)</p> <p>Figure 2B: Groundwater Elevation Contour Map (deep wells)</p> <p>Figure 3A: Dissolved-Phase TPPH Concentration Map (shallow wells)</p> <p>Figure 3B: Dissolved-Phase TPH-G Concentration Map (deep wells)</p> <p>Figure 4A: Dissolved-Phase Benzene Concentration Map (shallow wells)</p> <p>Figure 4B: Dissolved-Phase Benzene Concentration Map (deep wells)</p> <p>Figure 5A: Dissolved-Phase MTBE Concentration Map (shallow wells)</p> <p>Figure 5B: Dissolved-Phase MTBE Concentration Map (deep wells)</p>
Graphs	<p>Groundwater Elevations vs. Time</p> <p>Benzene Concentrations vs. Time</p>
Field Activities	<p>General Field Procedures</p> <p>Groundwater Sampling Field Notes</p>
Laboratory Reports	<p>Official Laboratory Reports</p> <p>Quality Control Reports</p> <p>Chain of Custody Records</p>
Statements	<p>Purge Water Disposal</p> <p>Limitations</p>

**Summary of Gauging and Sampling Activities**  
**July 2005 through September 2005**  
**76 Station 3312**  
**1311 Fourth Street**  
**Santa Rosa, CA**

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Project Coordinator: **Thomas H Kosei**  
Telephone: **916-558-7666**

Water Sampling Contractor: **TRC**  
Compiled by: **Christina Carrillo**

Date(s) of Gauging/Sampling Event: **09/06/05**

**Sample Points**

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Groundwater wells: **3** onsite, **7** offsite      Wells gauged: **10**      Wells sampled: **10**

Purging method: **Diaphragm pump**

Purge water disposal: **Onyx/Rodeo Unit 100**

Other Sample Points: **2**      Type: **Other**

**Liquid Phase Hydrocarbons (LPH)**

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Wells with LPH: **0**      Maximum thickness (feet): **n/a**

LPH removal frequency: **n/a**      Method: **n/a**

Treatment or disposal of water/LPH: **n/a**

**Hydrogeologic Parameters**

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Depth to groundwater (below TOC):      Minimum: **19.28 feet**      Maximum: **21.06 feet**

Average groundwater elevation (relative to available local datum): **160.32 feet**

Average change in groundwater elevation since previous event: **-3.91 feet**

Interpreted groundwater gradient and flow direction:

Current event: **0.02 ft/ft, south (shallow wells only)\*\***

Previous event: **0.02 ft/ft, southeast(shallow wells only)\* (06/07/**

**Selected Laboratory Results**

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Wells with detected **Benzene**: **5**      Wells above MCL (1.0 µg/l): **5**

Maximum reported benzene concentration: **930 µg/l (U-3)**

Wells with **TPPH 8260B**      **8**      Maximum: **11,000 µg/l (U-3)**

Wells with **MTBE**      **2**      Maximum: **120 µg/l (U-3)**

**Notes:**

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\*\*=No data on deep wells this quarter. \*=Previous quarter no data for deep wells.

WSW-700=Water supply well, WSW-725=Water supply well,

# TABLES

## TABLE KEY

### STANDARD ABREVIATIONS

--	= not analyzed, measured, or collected
LPH	= liquid-phase hydrocarbons
Trace	= less than 0.01 foot of LPH in well
$\mu\text{g/l}$	= micrograms per liter (approx. equivalent to parts per billion, ppb)
$\text{mg/l}$	= milligrams per liter (approx. equivalent to parts per million, ppm)
ND <	= not detected at or above laboratory detection limit
TOC	= top of casing (surveyed reference elevation)

### ANALYTES

BTEX	= benzene, toluene, ethylbenzene, and (total) xylenes
DIPE	= di-isopropyl ether
ETBE	= ethyl tertiary butyl ether
MTBE	= methyl tertiary butyl ether
PCB	= polychlorinated biphenyls
PCE	= tetrachloroethene
TBA	= tertiary butyl alcohol
TCA	= trichloroethane
TCE	= trichloroethylene
TPH-G	= total petroleum hydrocarbons with gasoline distinction
TPH-D	= total petroleum hydrocarbons with diesel distinction
TPPH	= total purgeable petroleum hydrocarbons
TRPH	= total recoverable petroleum hydrocarbons
TAME	= tertiary amyl methyl ether
1,1-DCA	= 1,1-dichloroethane
1,2-DCA	= 1,2-dichloroethane (same as EDC, ethylene dichloride)
1,1-DCE	= 1,1-dichloroethene
1,2-DCE	= 1,2-dichloroethene (cis- and trans-)

### NOTES

1. Elevations are in feet above mean sea level. Depths are in feet below surveyed top-of-casing.
2. Groundwater elevations for wells with LPH are calculated as: Surface Elevation – Measured Depth to Water + (Dp x LPH Thickness), where Dp is the density of the LPH, if known. A value of 0.75 is used for gasoline and when the density is not known. A value of 0.83 is used for diesel.
3. Wells with LPH are generally not sampled for laboratory analysis (see General Field Procedures).
4. Comments shown on tables are general. Additional explanations may be included in field notes and laboratory reports, both of which are included as part of this report.
5. A "J" flag indicates that a reported analytical result is an estimated concentration value between the method detection limit (MDL) and the practical quantification limit (PQL) specified by the laboratory.
6. Other laboratory flags (qualifiers) may have been reported. See the official laboratory report (attached) for a complete list of laboratory flags.
7. Concentration graphs based on tables (presented following Figures) show non-detect results prior to the Second Quarter 2000 plotted at fixed values for graphical display. Non-detect results reported since that time are plotted at reporting limits stated in the official laboratory report.
8. Groundwater vs. Time graphs may be corrected for apparent level changes due to resurvey.

### REFERENCE

TRC began groundwater monitoring and sampling for 76 Station 3312 in October 2003. Historical data compiled prior to that time were provided by Gettler-Ryan Inc.

**Table 1**  
**CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**September 6, 2005**  
**76 Station 3312**

Date Sampled	TOC Elevation	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8260B	TPPH 8260B	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE 8021.B	MTBE 8260B	Comments
U-1 09/06/05	180.20	19.64	0.00	160.56	-4.06	--	6300	14	ND<5.0	78	45	--	ND<5.0	
U-3 09/06/05	180.38	19.74	0.00	160.64	-3.45	--	11000	930	7.5	510	390	--	120	
U-4 09/06/05	179.90	19.28	0.00	160.62	-3.64	--	4500	13	0.56	94	4.3	--	ND<0.50	
U-5 09/06/05	180.01	19.49	0.00	160.52	-4.12	--	4500	14	0.91	64	43	--	ND<0.50	
U-6 09/06/05	180.77	20.15	0.00	160.62	-4.19	--	4600	17	ND<5.0	130	83	--	ND<5.0	
D 09/06/05	180.77	20.15	0.00	160.62	-4.19	--	--	--	--	--	--	--	ND<5.0	
U-7 09/06/05	--	19.56	0.00	--	--	--	53	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	10	
U-8 09/06/05	--	19.37	0.00	--	--	--	83	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
U-9 09/06/05	180.19	20.74	0.00	159.45	-3.79	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
U-10 09/06/05	180.54	21.06	0.00	159.48	-4.24	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
U-11 09/06/05	181.09	20.43	0.00	160.66	-3.82	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
WSW-700 09/06/05	--	--	--	--	--	--	55	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
WSW-725 09/06/05	--	--	--	--	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	Water supply well
														Water supply well

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**November 1992 Through September 2005**  
**76 Station 3312**

Date Sampled	TOC Elevation	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>U-1 (Screen Interval in feet: 15-30)</b>														
11/11/92	180.51	20.77	0.00	159.74	--	130000	--	8900	12000	3500	22000	--	--	
01/14/93	180.51	16.07	0.00	164.44	4.70	100000	--	7700	8200	3000	17000	--	--	
02/09/93	180.51	14.62	0.00	165.89	1.45	--	--	--	--	--	--	--	--	
05/19/93	180.51	18.18	0.00	162.33	-3.56	--	--	--	--	--	--	--	--	
06/22/93	180.51	18.71	0.00	161.80	-0.53	--	--	--	--	--	--	--	--	
08/27/93	180.51	20.14	0.00	160.37	-1.43	--	--	--	--	--	--	--	--	
12/16/93	180.27	18.06	0.00	162.21	1.84	80000	--	8000	6700	3700	16000	--	--	
03/10/94	180.27	17.18	0.00	163.09	0.88	79000	--	6000	5300	3000	12000	2000	--	
06/09/94	180.27	19.43	0.00	160.84	-2.25	68000	--	5500	5100	2700	10000	--	--	
09/08/94	180.27	21.20	0.02	159.09	-1.75	--	--	--	--	--	--	--	--	
12/06/94	180.27	17.55	0.00	162.72	3.63	63000	--	6400	5700	3200	13000	--	--	
03/09/95	180.28	13.22	0.00	167.06	4.34	49000	--	2800	1400	2000	4900	--	--	
06/13/95	180.28	16.65	0.00	163.63	-3.43	47000	--	3300	2200	2200	6500	1000	--	
09/14/95	180.20	19.96	0.00	160.24	-3.39	71000	--	4000	2800	2600	7800	ND	--	
10/25/95	180.20	20.30	0.00	159.90	-0.34	72000	--	4000	3600	3400	13000	--	--	
03/22/96	180.20	13.13	0.00	167.07	7.17	12000	--	680	820	170	3200	--	--	
06/24/96	180.20	16.80	0.00	163.40	-3.67	34000	--	1700	1300	1900	6500	--	--	
09/26/96	180.20	20.05	0.00	160.15	-3.25	400000	--	1800	11000	8500	47000	ND	--	
12/18/96	180.20	16.82	0.00	163.38	3.23	28000	--	1200	550	1400	4400	ND	--	
03/24/97	180.20	16.23	0.00	163.97	0.59	25000	--	1100	360	1500	3300	ND	--	
06/24/97	180.20	19.46	0.00	160.74	-3.23	22000	--	540	260	1100	3000	ND	--	
09/26/97	180.20	20.41	0.00	159.79	-0.95	36000	--	1200	670	2100	5200	ND	--	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**November 1992 Through September 2005**  
**76 Station 3312**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground- water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethy- benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>U-1 continued</b>														
12/16/97	180.20	16.32	0.00	163.88	4.09	28000	--	610	210	1100	3000	ND	--	
03/11/98	180.20	11.65	0.00	168.55	4.67	2400	--	26	ND	ND	24	160	--	
06/15/98	180.20	15.77	0.00	164.43	-4.12	24000	--	660	440	990	3000	560	57	
09/23/98	180.20	20.19	0.00	160.01	-4.42	18300	--	33.6	89.9	1070	2080	285	92	
12/28/98	180.20	18.35	0.00	161.85	1.84	21000	--	420	ND	720	2500	ND	--	
03/19/99	180.20	13.30	0.00	166.90	5.05	18000	--	680	ND	730	1500	ND	--	
06/21/99	180.20	17.90	0.00	162.30	-4.60	23000	--	330	190	820	1900	ND	--	
09/30/99	180.20	20.65	0.00	159.55	-2.75	47000	--	1300	ND	2200	5600	1300	24	
12/20/99	180.20	19.79	0.00	160.41	0.86	44300	--	84.8	ND	355	995	ND	--	
03/17/00	180.20	12.67	0.00	167.53	7.12	11100	--	261	27.3	397	805	ND	--	
06/22/00	180.20	17.77	0.00	162.43	-5.10	13000	--	210	94	460	920	210	--	
07/12/00	180.20	18.70	0.00	161.50	-0.93	--	--	--	--	--	--	--	--	
10/10/00	180.20	20.45	0.00	159.75	-1.75	22000	--	130	ND	120	1200	--	--	
12/14/00	180.20	19.58	0.00	160.62	0.87	470	--	4.8	ND	2.0	9.3	11	--	
03/14/01	180.20	15.33	0.00	164.87	4.25	10000	--	170	26	470	990	510	--	
06/13/01	180.20	19.18	0.00	161.02	-3.85	42000	--	ND	85	300	1600	170	ND	
09/19/01	180.20	21.20	0.00	159.00	-2.02	12000	--	81	230	430	1500	390	10	
12/19/01	180.20	14.75	0.00	165.45	6.45	4500	--	53	ND>25	59	130	200	ND<4.0	
03/13/02	180.20	14.82	0.00	165.38	-0.07	1100	--	ND<10	ND<10	13	31	76	2.3	
06/12/02	180.20	18.90	0.00	161.30	-4.08	610	--	6.8	1.4	2	2.4	17	ND<2.0	
09/11/02	180.20	20.75	0.00	159.45	-1.85	1800	--	27	ND<10	26	28	60	--	
12/11/02	180.20	20.31	0.00	159.89	0.44	4300	--	50	ND>20	160	ND>20	ND>80	--	
03/17/03	180.20	15.38	0.00	164.82	4.93	840	--	13	1.3	26	16	27	2.1	
06/17/03	180.20	17.67	0.00	162.53	-2.29	200	--	2.3	ND<0.50	1.8	1.4	7	ND<2.0	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**November 1992 Through September 2005**

**76 Station 3312**

Date	TOC Sampled	Depth to Elevation	LPH Water (feet)	Thickness (feet)	Ground- water Elevation (feet)	Change in Elevation (feet)	TPH-G ( $\mu\text{g/l}$ )	TPPH 8260B ( $\mu\text{g/l}$ )	Benzene ( $\mu\text{g/l}$ )	Toluene ( $\mu\text{g/l}$ )	Ethyl- benzene ( $\mu\text{g/l}$ )	Total Xylenes ( $\mu\text{g/l}$ )	MTBE 8021B ( $\mu\text{g/l}$ )	MTBE 8260B ( $\mu\text{g/l}$ )	Comments
<b>U-1 continued</b>															
09/15/03	180.20	20.31	0.00	159.89	-2.64	--	1800	ND<2.5	21	6.7	--	ND<10			
12/15/03	180.20	18.40	0.00	161.80	1.91	--	6200	11	2.8	150	64	--	ND<10		
03/16/04	180.20	14.33	0.00	165.87	4.07	--	11000	36	6.1	230	350	--	ND<10		
06/14/04	180.20	19.29	0.00	160.91	-4.96	--	4300	19	4.6	110	88	--	2.9		
09/14/04	180.20	21.24	0.00	158.96	-1.95	--	5600	9.3	3.3	88	63	--	3.8		
12/14/04	180.20	18.52	0.00	161.68	2.72	--	6800	23	3.6	210	50	--	5.8		
03/01/05	180.20	15.07	0.00	165.13	3.45	--	7600	31	ND<2.5	180	34	--	3.0		
06/07/05	180.20	15.58	0.00	164.62	-0.51	--	11000	36	1.6	190	52	--	ND<5.0		
09/06/05	180.20	19.64	0.00	160.56	-4.06	--	6300	14	ND<5.0	78	45	--	ND<5.0		
<b>U-2 (Screen Interval in feet: DNA)</b>															
11/11/92	180.81	20.97	0.00	159.84	--	150000	--	9800	18000	3800	25000	--	--		
01/14/93	180.81	15.74	0.00	165.07	5.23	87000	--	7600	6200	2600	13000	--	--		
02/09/93	180.81	14.57	0.00	166.24	1.17	--	--	--	--	--	--	--	--		
05/19/93	180.81	18.23	0.00	162.58	-3.66	--	--	--	--	--	--	--	--		
06/22/93	180.81	18.83	0.00	161.98	-0.60	--	--	--	--	--	--	--	--		
08/27/93	180.81	20.29	0.00	160.52	-1.46	--	--	--	--	--	--	--	--		
12/16/93	180.50	18.06	0.00	162.44	1.92	39000	--	5200	3400	2400	6300	--	--		
03/10/94	180.50	17.22	0.00	163.28	0.84	53000	--	4800	3300	2300	6400	1400	--		
06/09/94	180.50	19.33	0.00	161.17	-2.11	52000	--	4200	3100	2300	6700	--	--		
09/08/94	180.50	21.30	0.01	159.21	-1.96	--	--	--	--	--	--	--	--		
12/06/94	180.50	17.60	0.00	162.90	3.69	59000	--	5300	5200	2900	8500	--	--		
03/09/95	180.50	12.55	0.00	167.95	5.05	56000	--	2500	3000	1800	6800	--	--		

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**November 1992 Through September 2005**

**76 Station 3312**

	Date Sampled	TOC Elevation	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>U-2 continued</b>															
06/13/95	180.50	16.72	0.00	163.78	-4.17	36000	--	3100	2400	2300	7700	1200	--		
09/14/95	180.49	20.14	0.00	160.35	-3.43	39000	--	2800	1900	2100	5900	ND	--		
10/25/95	180.49	20.46	0.00	160.03	-0.32	73000	--	4200	4600	3600	16000	--	--		
03/22/96	180.49	13.06	0.00	167.43	7.40	28000	--	1800	320	1400	6500	200	--		
06/24/96	180.49	17.21	0.00	163.28	-4.15	31000	--	2500	1600	2100	5500	--	--		
09/26/96	180.49	20.54	0.00	159.95	-3.33	80000	--	3000	2400	2600	9200	700	--		
12/18/96	180.49	16.98	0.00	163.51	3.56	89000	--	3400	2600	3300	11000	ND	--		
03/24/97	180.49	16.21	0.00	164.28	0.77	35000	--	1900	1600	2000	6700	ND	--		
06/24/97	180.49	19.78	0.00	160.71	-3.57	24000	--	1800	900	1900	4800	ND	--		
09/26/97	180.49	21.23	0.00	159.26	-1.45	28000	--	1900	810	2000	5700	ND	--		
12/16/97	180.49	16.45	0.00	164.04	4.78	42000	--	2700	1400	2600	9700	ND	--		
03/11/98	180.49	11.73	0.00	168.76	4.72	34000	--	2300	1300	1200	13000	ND	--		
06/15/98	180.49	--	--	--	--	--	--	--	--	--	--	--	--		
09/23/98	180.49	--	--	--	--	--	--	--	--	--	--	--	--		
12/28/98	180.49	--	--	--	--	--	--	--	--	--	--	--	--		
03/19/99	180.49	--	--	--	--	--	--	--	--	--	--	--	--		
06/21/99	180.49	--	--	--	--	--	--	--	--	--	--	--	--		
09/30/99	180.49	--	--	--	--	--	--	--	--	--	--	--	--		
03/17/00	180.49	--	--	--	--	--	--	--	--	--	--	--	--		

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**November 1992 Through September 2005**  
**76 Station 3312**

Date Sampled	TOC Elevation	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
U-3														
11/11/92	180.90	20.91	0.01	160.00	--	--	--	--	--	--	--	--	--	NS DUE TO FREE PRODUCT
01/14/93	180.90	15.64	0.00	165.26	5.26	69000	--	14000	4000	1700	7500	--	--	
02/09/93	180.90	14.49	0.00	166.41	1.15	--	--	--	--	--	--	--	--	
05/19/93	180.90	18.27	0.00	162.63	-3.78	--	--	--	--	--	--	--	--	
06/22/93	180.90	18.84	0.00	162.06	-0.57	--	--	--	--	--	--	--	--	NS DUE TO FREE PRODUCT
08/27/93	180.90	20.40	0.03	160.52	-1.54	--	--	--	--	--	--	--	--	NS DUE TO FREE PRODUCT
12/16/93	180.42	17.83	0.01	162.60	2.07	--	--	--	--	--	--	--	--	NS DUE TO FREE PRODUCT
03/10/94	180.42	17.09	0.02	163.35	0.75	--	--	--	--	--	--	--	--	NS DUE TO FREE PRODUCT
06/09/94	180.42	19.05	0.02	161.38	-1.96	--	--	--	--	--	--	--	--	NS DUE TO FREE PRODUCT
09/08/94	180.42	21.38	0.24	159.22	-2.17	--	--	--	--	--	--	--	--	NS DUE TO FREE PRODUCT
12/06/94	180.42	17.40	0.01	163.03	3.81	--	--	--	--	--	--	--	--	NS DUE TO FREE PRODUCT
03/09/95	180.42	12.11	0.00	168.31	5.28	78000	--	8200	4000	1500	8800	--	--	NS DUE TO FREE PRODUCT
06/13/95	180.42	16.61	0.01	163.82	-4.49	--	--	--	--	--	--	--	--	NS DUE TO FREE PRODUCT
09/14/95	180.38	19.98	0.01	160.41	-3.41	--	--	--	--	--	--	--	--	NS DUE TO FREE PRODUCT
10/25/95	180.38	20.15	0.00	160.23	-0.18	--	--	--	--	--	--	--	--	NS DUE TO FREE PRODUCT
03/22/96	180.38	12.67	0.00	167.71	7.48	--	--	--	--	--	--	--	--	NS DUE TO FREE PRODUCT

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**November 1992 Through September 2005**

**76 Station 3312**

Date Sampled	TOC Elevation	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>U-3 continued</b>														
06/24/96	180.38	16.81	0.01	163.58	-4.13	--	--	--	--	--	--	--	--	--
09/26/96	180.38	20.41	0.00	159.97	-3.61	610	--	11	6.9	4.7	19	--	--	--
12/18/96	180.38	16.78	0.00	163.60	3.63	33000	--	4400	670	1000	3100	ND	--	--
03/24/97	180.38	16.05	0.00	164.33	0.73	66000	--	2900	850	850	2400	ND	--	--
06/24/97	180.38	19.65	0.00	160.73	-3.60	150000	--	3900	1100	1200	5000	ND	--	--
09/26/97	180.38	21.08	0.00	159.30	-1.43	77000	--	7200	2700	2700	10000	2800	--	--
12/16/97	180.38	16.25	0.00	164.13	4.83	53000	--	3700	790	1100	4500	1300	--	--
03/11/98	180.38	11.45	0.00	168.93	4.80	20000	--	2700	390	ND	5600	1400	--	--
06/15/98	180.38	15.65	0.00	164.73	-4.20	30000	--	4200	300	930	2700	4900	--	--
09/23/98	180.38	20.35	0.00	160.03	-4.70	22200	--	2890	282	799	1770	2370	2200	
12/28/98	180.38	18.34	0.00	162.04	2.01	20000	--	2300	250	760	1800	1300	1400	
03/19/99	180.38	13.13	0.00	167.25	5.21	25000	--	2000	ND	710	3200	2300	--	--
06/21/99	180.38	17.91	0.00	162.47	-4.78	19000	--	1900	140	710	1200	980	900	
09/30/99	180.38	20.84	0.00	159.54	-2.93	20000	--	1900	ND	550	1400	790	--	--
12/20/99	180.38	19.95	0.00	160.43	0.89	55300	--	1600	307	1520	5120	1610	680	
03/17/00	180.38	12.52	0.00	167.86	7.43	20900	--	1170	115	635	1540	ND	--	--
06/22/00	180.38	17.73	0.00	162.65	-5.21	21000	--	1500	77	710	1500	940	620	
07/12/00	180.38	18.81	0.00	161.57	-1.08	--	--	--	--	--	--	--	--	--
10/10/00	180.38	20.58	0.00	159.80	-1.77	31000	--	1800	ND	1200	2800	ND	--	--
12/14/00	180.38	19.83	0.00	160.55	0.75	11000	--	630	52	590	1000	500	150	
03/14/01	180.38	15.25	0.00	165.13	4.58	9300	--	1200	35	530	890	1000	690	
06/12/01	180.38	19.30	0.00	161.08	-4.05	30000	--	960	56	870	1400	500	270	
09/19/01	180.38	21.46	0.02	158.94	-2.14	30000	--	730	ND<100	1300	3200	680	190	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**November 1992 Through September 2005**

**76 Station 3312**

	Date Sampled	TOC Elevation	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>U-3 continued</b>															
12/19/01	180.38	14.60	0.00	165.78	6.84	65000	--	980	ND<200	1700	4100	ND<1000	--	--	
03/13/02	180.38	14.81	0.00	165.57	-0.21	66000	--	640	ND<100	880	2200	ND<500	--	--	
06/12/02	180.38	19.04	0.00	161.34	-4.23	7700	--	460	ND<50	370	430	390	53		
09/11/02	180.38	21.02	0.00	159.36	-1.98	13000	--	800	ND<100	980	1400	ND<500	--	--	
12/11/02	180.38	20.63	0.00	159.75	0.39	13000	--	480	ND<100	690	ND<100	ND<400	--	--	
03/17/03	180.38	15.28	0.00	165.10	5.35	6900	--	820	12	430	340	140	80		
06/17/03	180.38	17.72	0.00	162.66	-2.44	5600	--	520	11	390	280	200	36		
09/15/03	180.38	20.42	0.00	159.96	-2.70	--	10000	420	10	530	360	--	40		
12/15/03	180.38	18.43	0.00	161.95	1.99	--	7400	530	8.9	310	150	--	150		
03/16/04	180.38	14.16	0.00	166.22	4.27	--	7800	1100	10	410	350	--	170		
06/14/04	180.38	19.45	0.00	160.93	-5.29	--	1400	93	1.2	78	57	--	9.4		
09/14/04	180.38	21.36	0.00	159.02	-1.91	--	12000	910	ND<10	460	310	--	220		
12/14/04	180.38	18.59	0.00	161.79	2.77	--	11000	1300	11	400	340	--	420		
03/01/05	180.38	14.80	0.00	165.58	3.79	--	10000	920	ND<10	290	170	--	190		
06/07/05	180.38	16.29	0.00	164.09	-1.49	--	11000	750	ND<10	480	460	--	110		
09/06/05	180.38	19.74	0.00	160.64	-3.45	--	11000	930	7.5	510	390	--	120		
<b>U-4 (Screen Interval in feet: 13-28)</b>															
11/11/92	180.18	20.52	0.00	159.66	--	19000	--	400	87	1200	1500	--	--	--	
01/14/93	180.18	15.45	0.00	164.73	5.07	14000	--	180	56	640	980	--	--	--	
02/09/93	180.18	14.33	0.00	165.85	1.12	--	--	--	--	--	--	--	--	--	
05/19/93	180.18	17.87	0.00	162.31	-3.54	--	--	--	--	--	--	--	--	--	
06/22/93	180.18	18.44	0.00	161.74	-0.57	16000	--	150	60	1000	1400	--	--	--	
08/27/93	180.18	19.83	0.00	160.35	-1.39	13000	--	210	73	770	1100	--	--	--	
12/16/93	179.91	17.87	0.00	162.04	1.69	20000	--	150	56	850	1300	--	--	--	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**November 1992 Through September 2005**  
**76 Station 3312**

	Date Sampled	TOC Elevation	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>U-4 continued</b>															
03/10/94	179.91	16.96	0.00	162.95	0.91	19000	--	520	120	960	1400	110	--	--	
06/09/94	179.91	19.28	0.00	160.63	-2.32	12000	--	270	92	610	900	--	--	--	
09/08/94	179.91	20.78	0.00	159.13	-1.50	20000	--	280	120	790	980	--	--	--	
12/06/94	179.91	17.45	0.00	162.46	3.33	12000	--	200	79	710	780	--	--	--	
03/09/95	179.91	13.25	0.00	166.66	4.20	15000	--	160	49	640	770	--	--	--	
06/13/95	179.91	16.45	0.00	163.46	-3.20	7700	--	140	ND	470	470	120	--	--	
09/14/95	179.90	19.68	0.00	160.22	-3.24	6000	--	110	31	360	400	ND	--	--	
10/25/95	179.90	20.28	0.00	159.62	-0.60	9900	--	270	62	630	690	--	--	--	
03/22/96	179.90	13.02	0.00	166.88	7.26	260	--	2.9	1.1	2.6	4.4	ND	--	--	
06/24/96	179.90	16.95	0.00	162.95	-3.93	6900	--	210	66	580	600	--	--	--	
09/26/96	179.90	20.08	0.00	159.82	-3.13	12000	--	240	44	640	670	ND	--	--	
12/18/96	179.90	16.90	0.00	163.00	3.18	12000	--	370	55	760	900	ND	--	--	
03/24/97	179.90	16.05	0.00	163.85	0.85	14000	--	400	95	880	1100	ND	--	--	
06/24/97	179.90	19.17	0.00	160.73	-3.12	4800	--	190	34	400	400	55	--	--	
09/26/97	179.90	20.62	0.00	159.28	-1.45	8500	--	290	39	640	600	88	--	--	
12/16/97	179.90	16.40	0.00	163.50	4.22	16000	--	510	78	1100	1300	870	--	--	
03/11/98	179.90	11.61	0.00	168.29	4.79	8000	--	690	67	ND	1100	ND	--	--	
06/15/98	179.90	15.74	0.00	164.16	-4.13	8700	--	280	ND	640	770	430	--	--	
09/23/98	179.90	19.96	0.00	159.94	-4.22	16800	--	344	89	996	1060	ND	--	--	
12/28/98	179.90	18.33	0.00	161.57	1.63	16800	--	344	89	996	1060	ND	--	--	
03/19/99	179.90	13.58	0.00	166.32	4.75	16000	--	1100	83	1000	1300	860	--	--	
06/21/99	179.90	17.81	0.00	162.09	-4.23	16000	--	890	45	1300	1100	110	--	--	
09/30/99	179.90	20.40	0.00	159.50	-2.59	19000	--	790	ND	1000	1100	110	--	--	
12/20/99	179.90	19.66	0.00	160.24	0.74	19200	--	560	ND	995	924	ND	--	--	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**November 1992 Through September 2005**  
**76 Station 3312**

Date Sampled	TOC Elevation	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>U-4 continued</b>														
03/17/00	179.90	12.68	0.00	167.22	6.98	17000	--	1290	63.9	1350	1190	586	52.8	
06/22/00	179.90	17.67	0.00	162.23	-4.99	5200	--	340	ND	590	360	230	--	
07/12/00	179.90	18.58	0.00	161.32	-0.91	--	--	--	--	--	--	--	--	
10/10/00	179.90	20.23	0.00	159.67	-1.65	17000	--	650	17	960	710	970	25	
12/14/00	179.90	19.64	0.00	160.26	0.59	350	--	4.9	ND	1.5	ND	18	--	
03/14/01	179.90	15.28	0.00	164.62	4.36	9600	--	450	ND	970	660	990	--	
06/13/01	179.90	19.02	0.00	160.88	-3.74	52000	--	--	ND	470	410	ND	--	
09/19/01	179.90	20.80	0.00	159.10	-1.78	5700	--	400	13	520	130	520	48	
12/19/01	179.90	14.71	0.00	165.19	6.09	6700	--	180	15	500	210	660	ND<10	
03/13/02	179.90	14.84	0.00	165.06	-0.13	98	--	ND<0.50	ND<0.50	1.2	ND<0.50	ND<2.5	--	
06/12/02	179.90	18.77	0.00	161.13	-3.93	1900	--	50	ND<10	76	18	86	ND<2.0	
09/11/02	179.90	20.27	0.00	159.63	-1.50	380	--	9.1	ND<0.50	3.3	0.72	15	--	
12/11/02	179.90	20.23	0.00	159.67	0.04	57000	--	920	ND<100	1300	ND<100	1900	ND<40	
03/17/03	179.90	15.37	0.00	164.53	4.86	130	--	1.6	ND<0.50	ND<0.50	ND<0.50	3.6	ND<2.0	
06/17/03	179.90	17.58	0.00	162.32	-2.21	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	--	
09/15/03	179.90	20.13	0.00	159.77	-2.55	--	970	2.2	45	17	92	--	ND<2.0	
12/15/03	179.90	18.13	0.00	161.77	2.00	--	6200	82	ND<10	460	43	--	ND<40	
03/16/04	179.90	14.09	0.00	165.81	4.04	--	2600	38	ND<2.5	150	21	--	ND<10	
06/14/04	179.90	18.99	0.00	160.91	-4.90	--	3800	12	ND<2.5	190	23	--	ND<2.5	
09/14/04	179.90	20.75	0.00	159.15	-1.76	--	4300	130	3.5	420	78	--	20	
12/14/04	179.90	18.33	0.00	161.57	2.42	--	5700	62	ND<2.5	270	21	--	ND<2.5	
03/01/05	179.90	15.12	0.00	164.78	3.21	--	4800	16	ND<2.5	160	11	--	ND<2.5	
06/07/05	179.90	15.64	0.00	164.26	-0.52	--	2200	11	ND<0.50	57	3.7	--	0.59	
09/06/05	179.90	19.28	0.00	160.62	-3.64	--	4500	13	0.56	94	4.3	--	ND<0.50	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**November 1992 Through September 2005**

**76 Station 3312**

	Date Sampled	TOC Elevation	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>U-5 (Screen Interval in feet: 13-28)</b>															
11/11/92	180.37	20.69	0.00	159.68	--	7100	--	610	42	250	520	--	--	--	
01/14/93	180.37	14.80	0.00	165.57	5.89	8000	--	620	180	360	550	--	--	--	
02/09/93	180.37	14.25	0.00	166.12	0.55	--	--	--	--	--	--	--	--	--	
05/19/93	180.37	17.73	0.00	162.64	-3.48	--	--	--	--	--	--	--	--	--	
06/22/93	180.37	18.45	0.00	161.92	-0.72	4200	--	410	23	280	300	--	--	--	
08/27/93	180.37	19.88	0.00	160.49	-1.43	3900	--	310	54	220	250	--	--	--	
12/16/93	180.01	17.73	0.00	162.28	1.79	6400	--	290	56	280	590	--	--	--	
03/10/94	180.01	16.79	0.00	163.22	0.94	5300	--	290	22	230	190	54	--	--	
06/09/94	180.01	18.82	0.00	161.19	-2.03	5600	--	340	54	290	450	--	--	--	
09/08/94	180.01	20.82	0.00	159.19	-2.00	5400	--	200	34	130	180	--	--	--	
12/06/94	180.01	17.26	0.00	162.75	3.56	3400	--	230	58	40	340	--	--	--	
03/09/95	180.01	11.20	0.00	168.81	6.06	4400	--	190	56	180	350	--	--	--	
06/13/95	180.01	16.21	0.00	163.80	-5.01	6300	--	270	97	310	460	ND	--	--	
09/14/95	180.01	19.69	0.00	160.32	-3.48	1800	--	63	8.6	86	89	ND	--	--	
10/25/95	180.01	19.99	0.00	160.02	-0.30	3900	--	92	8.8	120	190	--	--	--	
03/22/96	180.01	12.37	0.00	167.64	7.62	ND	--	1.6	ND	ND	1.9	ND	--	--	
06/24/96	180.01	16.78	0.00	163.23	-4.41	1800	--	74	22	100	150	--	--	--	
09/26/96	180.01	20.12	0.00	159.89	-3.34	1700	--	27	18	25	36	--	--	--	
12/18/96	180.01	16.78	0.00	163.23	3.34	1400	--	91	11	56	110	9.8	--	--	
03/24/97	180.01	15.70	0.00	164.31	1.08	2800	--	91	15	98	230	ND	--	--	
06/24/97	180.01	19.35	0.00	160.66	-3.65	1000	--	33	ND	26	45	ND	--	--	
09/26/97	180.01	20.78	0.00	159.23	-1.43	760	--	28	ND	24	54	41	--	--	
12/16/97	180.01	16.05	0.00	163.96	4.73	1600	--	85	11	65	180	ND	ND	ND	
03/11/98	180.01	11.02	0.00	168.99	5.03	ND	--	ND	ND	ND	ND	ND	ND	--	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**November 1992 Through September 2005**  
**76 Station 3312**

Sampled	Date	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground- water Elevation (feet)	Change in Elevation (feet)	TPH-G ( $\mu\text{g/l}$ )	TPPH 8260B ( $\mu\text{g/l}$ )	Benzene ( $\mu\text{g/l}$ )	Toluene ( $\mu\text{g/l}$ )	Ethyl- benzene ( $\mu\text{g/l}$ )	Total Xylenes ( $\mu\text{g/l}$ )	MTBE 8021B ( $\mu\text{g/l}$ )	MTBE 8260B ( $\mu\text{g/l}$ )	Comments
<b>U-5 continued</b>															
06/15/98	180.01	15.38	0.00	164.63	-4.36	1700	--	71	10	100	210	70	--	--	
09/23/98	180.01	20.02	0.00	159.99	-4.64	9870	--	45.7	ND	88.9	230	ND	ND	ND	
12/28/98	180.01	18.23	0.00	161.78	1.79	1500	--	49	ND	33	76	ND	--	--	
03/19/99	180.01	12.79	0.00	167.22	5.44	2200	--	71	ND	77	210	ND	--	--	
06/21/99	180.01	17.58	0.00	162.43	-4.79	1900	--	47	ND	54	120	ND	--	--	
09/30/99	180.01	20.51	0.00	159.50	-2.93	1700	--	44	ND	38	110	26	--	--	
12/20/99	180.01	19.63	0.00	160.38	0.88	4690	--	70.3	ND	92.9	199	ND	--	--	
03/17/00	180.01	12.22	0.00	167.79	7.41	1620	--	56.5	8.7	89.5	189	43.7	--	--	
06/22/00	180.01	17.63	0.00	162.38	-5.41	1200	--	34	6.4	63	110	28	--	--	
07/12/00	180.01	18.53	0.00	161.48	-0.90	--	--	--	--	--	--	--	--	--	
10/10/00	180.01	20.27	0.00	159.74	-1.74	6500	--	96	12	64	370	160	--	--	
12/14/00	180.01	19.35	0.00	160.66	0.92	ND	--	ND	ND	ND	ND	ND	--	--	
03/14/01	180.01	15.13	0.00	164.88	4.22	600	--	25	2.4	36	66	43	--	--	
06/12/01	180.01	19.06	0.00	160.95	-3.93	630	--	4.1	--	7.7	11	3.2	1.1	ND<5.0	
09/19/01	180.01	20.98	0.00	159.03	-1.92	1300	--	28	7.4	52	86	98	ND<2.0	--	
12/19/01	180.01	14.33	0.00	165.68	6.65	1100	--	36	4.3	56	100	90	--	--	
03/13/02	180.01	14.53	0.00	165.48	-0.20	ND<50	--	ND<0.50	ND<0.50	ND<0.50	1	ND<2.5	--	--	
06/12/02	180.01	18.72	0.00	161.29	-4.19	ND<50	--	0.59	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--	
09/11/02	180.01	20.83	0.00	159.18	-2.11	1300	--	54	ND<10	47	60	ND<50	--	--	
12/11/02	180.01	20.34	0.00	159.67	0.49	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	--	--	
03/17/03	180.01	14.97	0.00	165.04	5.37	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	--	--	
06/17/03	180.01	17.51	0.00	162.50	-2.54	ND<50	--	1.3	ND<0.50	ND<0.50	1.9	ND<2.0	--	--	
09/15/03	180.01	20.11	0.00	159.90	-2.60	--	670	14	ND<2.5	29	34	--	ND<10	--	
12/15/03	180.01	18.33	0.00	161.68	1.78	--	1600	13	ND<2.5	39	79	--	ND<10	--	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**November 1992 Through September 2005**  
**76 Station 3312**

Date Sampled	TOC Elevation	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>U-5 continued</b>														
03/16/04	180.01	13.88	0.00	166.13	4.45	--	580	9.3	0.93	25	41	--	--	ND<2.0
06/14/04	180.01	19.20	0.00	160.81	-5.32	--	1500	9.9	0.66	24	20	--	--	ND<0.50
09/14/04	180.01	21.03	0.00	158.98	-1.83	--	1400	5.3	0.70	9.0	13	--	--	ND<0.50
12/14/04	180.01	18.59	0.00	161.42	2.44	--	3900	23	3.0	80	190	--	--	ND<0.50
03/01/05	180.01	14.53	0.00	165.48	4.06	--	2400	14	2.3	82	140	--	--	ND<0.50
06/07/05	180.01	15.37	0.00	164.64	-0.84	--	2400	9.9	1.9	90	140	--	--	ND<0.50
09/06/05	180.01	19.49	0.00	160.52	-4.12	--	4500	14	0.91	64	43	--	--	ND<0.50
<b>U-6</b>														
11/11/92	181.08	21.07	0.00	160.01	--	64000	--	7900	980	2300	7900	--	--	--
01/14/93	181.08	15.56	0.00	165.52	5.51	48000	--	6900	880	1800	5100	--	--	--
02/09/93	181.08	14.83	0.00	166.25	0.73	--	--	--	--	--	--	--	--	--
05/19/93	181.08	18.40	0.00	162.68	-3.57	--	--	--	--	--	--	--	--	--
06/22/93	181.08	19.02	0.00	162.06	-0.62	52000	--	6200	620	2900	9700	--	--	--
08/27/93	181.08	20.48	0.00	160.60	-1.46	31000	--	5600	490	2200	3900	--	--	--
12/16/93	180.78	18.20	0.00	162.58	1.98	35000	--	4400	350	2000	4500	--	--	--
03/10/94	180.78	17.41	0.00	163.37	0.79	31000	--	4100	420	1700	4200	1200	--	--
06/09/94	180.78	19.38	0.00	161.40	-1.97	39000	--	3200	360	1700	4000	--	--	--
09/08/94	180.78	21.52	0.00	159.26	-2.14	42000	--	3600	460	1800	4600	--	--	--
12/06/94	180.78	17.76	0.00	163.02	3.76	26000	--	2500	260	1200	2700	--	--	--
03/09/95	180.73	12.05	0.00	168.68	5.66	31000	--	2900	360	1700	4400	--	--	--
06/13/95	180.73	16.53	0.00	164.20	-4.48	25000	--	2100	240	1500	3500	130	--	--
09/14/95	180.77	20.35	0.00	160.42	-3.78	18000	--	2100	180	1400	2700	ND	--	--
10/25/95	180.77	20.58	0.00	160.19	-0.23	25000	--	2500	230	1700	3700	--	--	--
03/22/96	180.77	13.08	0.00	167.69	7.50	6100	--	580	36	350	780	--	--	--

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
 November 1992 Through September 2005  
**76 Station 3312**

Date Sampled	TOC Elevation	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>U-6 continued</b>														
06/24/96	180.77	17.40	0.00	163.37	-4.32	14000	--	1500	140	1200	2200	--	--	--
09/26/96	180.77	20.78	0.00	159.99	-3.38	91000	--	1800	150	1900	3300	ND	--	--
12/18/96	180.77	17.15	0.00	163.62	3.63	17000	--	1300	190	1200	2300	ND	--	--
03/24/97	180.77	16.37	0.00	164.40	0.78	11000	--	690	ND	820	1400	ND	--	--
06/24/97	180.77	19.98	0.00	160.79	-3.61	13000	--	770	77	920	1700	ND	--	--
09/26/97	180.77	21.48	0.00	159.29	-1.50	11000	--	1100	110	970	1800	270	--	--
12/16/97	180.77	16.54	0.00	164.23	4.94	15000	--	710	ND	760	1500	ND	--	--
03/11/98	180.77	11.84	0.00	168.93	4.70	290	--	16	3.1	ND	ND	96	--	--
06/15/98	180.77	15.95	0.00	164.82	-4.11	9300	--	380	ND	770	1300	270	--	--
09/23/98	180.77	20.69	0.00	160.08	-4.74	5950	--	23.2	ND	94.8	168	ND	ND	--
12/28/98	180.77	18.70	0.00	162.07	1.99	6900	--	320	29	620	1100	33	ND	--
03/19/99	180.77	13.45	0.00	167.32	5.25	12000	--	350	ND	500	940	ND	--	--
06/21/99	180.77	18.21	0.00	162.56	-4.76	8300	--	130	ND	450	620	ND	--	--
09/30/99	180.77	21.18	0.00	159.59	-2.97	10000	--	170	ND	410	820	ND	24	--
12/20/99	180.77	20.24	0.00	160.53	0.94	11500	--	88.3	ND	264	393	ND	--	--
03/17/00	180.77	12.85	0.00	167.92	7.39	7800	--	266	23.8	530	760	179	--	--
06/22/00	180.77	18.13	0.00	162.64	-5.28	5800	--	130	15	320	400	200	--	--
07/12/00	180.77	19.15	0.00	161.62	-1.02	--	--	--	--	--	--	--	--	--
10/10/00	180.77	20.96	0.00	159.81	-1.81	4600	--	37	ND	42	300	150	--	--
12/14/00	180.77	19.98	0.00	160.79	0.98	1500	--	43	ND	54	33	64	--	--
03/14/01	180.77	15.62	0.00	165.15	4.36	6000	--	200	19	470	670	330	--	--
06/13/01	180.77	19.65	0.00	161.12	-4.03	8600	--	25	ND	160	220	26	ND	--
09/19/01	180.77	21.76	0.00	159.01	-2.11	6600	--	130	16	340	480	450	4	--
12/19/01	180.77	14.93	0.00	165.84	6.83	6500	--	140	15	380	500	310	6.8	--

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**November 1992 Through September 2005**  
**76 Station 3312**

	Date Sampled	TOC Elevation	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>U-6 continued</b>															
03/13/02	180.77	15.14	0.00	165.63	-0.21	190	--	1.4	ND<0.50	7.5	7.4	3	ND<2.0		
06/12/02	180.77	19.38	0.00	161.39	-4.24	2800	--	51	ND<10	94	110	120	ND<2.0		
09/11/02	180.77	21.36	0.00	159.41	-1.98	3300	--	79	11	110	100	100	ND<50		
12/11/02	180.77	20.97	0.00	159.80	0.39	14000	--	280	ND<25	410	190	310	ND<2.0		
03/17/03	180.77	15.62	0.00	165.15	5.35	ND<50	--	1.7	ND<0.50	1.5	1.2	--	ND<2.0		
06/17/03	180.77	18.08	0.00	162.69	-2.46	100	--	6.0	ND<0.50	7.2	6.4	2.5	ND<2.0		
09/15/03	180.77	20.79	0.00	159.98	-2.71	--	2700	22	ND<2.5	34	29	--	ND<10		
12/15/03	180.77	18.83	0.00	161.94	1.96	--	3700	34	3.5	170	120	--	ND<10		
03/16/04	180.77	14.51	0.00	166.26	4.32	--	3400	58	4.6	200	190	--	ND<10		
06/14/04	180.77	19.80	0.00	160.97	-5.29	--	1700	12	ND<2.5	83	60	--	ND<2.5		
09/14/04	180.77	21.74	0.00	159.03	-1.94	--	3800	51	5.3	250	230	--	ND<2.5		
12/14/04	180.77	--	--	--	--	--	--	--	--	--	--	--	--	--	Paved Over
03/10/05	180.77	15.05	0.00	165.72	--	--	5500	44	4.2	180	110	--	ND<2.5		
06/07/05	180.77	15.96	0.00	164.81	-0.91	--	4400	30	2.5	180	140	--	ND<0.50		
09/06/05	180.77	20.15	0.00	160.62	-4.19	--	4600	17	ND<5.0	130	83	--	ND<5.0		
D	09/06/05	180.77	20.15	0.00	160.62	-4.19	--	--	--	--	--	--	--	ND<5.0	
<b>U-7 (Screen Interval in feet: 10-30)</b>															
06/22/93	179.82	19.14	0.00	160.68	--	54	--	ND	ND	1.4	2.3	--	--	--	
08/27/93	179.82	20.59	0.00	159.23	-1.45	70	--	ND	ND	0.81	0.77	--	--	--	
12/16/93	179.37	18.95	0.00	160.42	1.19	50	--	2	ND	1.3	1.1	--	--	--	
03/10/94	179.37	17.43	0.00	161.94	1.52	96	--	4.5	ND	ND	0.52	1.1	--	--	
06/09/94	179.37	19.79	0.00	159.58	-2.36	89	--	ND	ND	1.3	1.7	--	--	--	
09/08/94	179.37	21.06	0.00	158.31	-1.27	120	--	0.8	0.61	2.9	4.1	--	--	--	
12/06/94	179.37	18.50	0.00	160.87	2.56	93	--	ND	ND	1.9	2.6	--	--	--	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**November 1992 Through September 2005**  
**76 Station 3312**

Date Sampled	TOC Elevation	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>U-7 continued</b>														
03/09/95	179.82	11.83	0.00	167.99	7.12	ND	—	ND	ND	ND	ND	—	—	—
06/13/95	179.82	16.85	0.00	162.97	-5.02	ND	—	ND	2.8	ND	0.73	1.1	—	—
09/14/95	179.81	20.42	0.00	159.39	-3.58	ND	—	ND	ND	ND	ND	1.8	—	—
10/25/95	179.81	21.02	0.00	158.79	-0.60	—	—	—	—	—	—	—	—	—
03/22/96	179.81	13.01	0.00	166.80	8.01	ND	—	ND	ND	ND	ND	—	—	—
06/24/96	179.81	17.60	0.00	162.21	-4.59	ND	—	ND	ND	ND	ND	—	—	—
09/26/96	179.81	20.77	0.00	159.04	-3.17	ND	—	ND	ND	ND	0.68	0.53	—	—
12/18/96	179.81	18.14	0.00	161.67	2.63	ND	—	ND	ND	ND	ND	8.2	—	—
03/24/97	179.81	16.34	0.00	163.47	1.80	ND	—	ND	ND	ND	ND	ND	ND	—
06/24/97	179.81	19.90	0.00	159.91	-3.56	ND	—	ND	ND	ND	ND	ND	ND	—
09/26/97	179.81	21.25	0.00	158.56	-1.35	ND	—	ND	ND	ND	ND	ND	ND	—
12/16/97	179.81	17.60	0.00	162.21	3.65	ND	—	ND	ND	ND	ND	ND	6	—
03/11/98	179.81	11.48	0.00	168.33	6.12	ND	—	ND	ND	ND	ND	ND	ND	—
06/15/98	179.81	16.57	0.00	163.24	-5.09	ND	—	ND	ND	ND	ND	ND	9.4	8.1
09/23/98	179.81	20.37	0.00	159.44	-3.80	ND	—	ND	ND	ND	ND	ND	3.43	4.1
12/28/98	179.81	19.20	0.00	160.61	1.17	ND	—	1	ND	ND	ND	ND	7.4	5.1
03/19/99	179.81	13.52	0.00	166.29	5.68	ND	—	ND	ND	ND	ND	ND	ND	—
06/21/99	179.81	18.45	0.00	161.36	-4.93	ND	—	ND	ND	ND	ND	ND	7.5	—
09/30/99	179.81	20.90	0.00	158.91	-2.45	ND	—	ND	ND	ND	ND	ND	7.3	—
12/20/99	179.81	20.70	0.00	159.11	0.20	ND	—	ND	ND	ND	ND	ND	ND	—
03/17/00	179.81	13.03	0.00	166.78	7.67	ND	—	ND	ND	ND	ND	ND	ND	—
06/22/00	179.81	18.51	0.00	161.30	-5.48	ND	—	ND	ND	ND	ND	ND	5.7	—
07/12/00	179.81	19.32	0.00	160.49	-0.81	—	—	—	—	—	—	—	—	—
10/10/00	179.81	20.90	0.00	158.91	-1.58	ND	—	ND	ND	ND	ND	ND	ND	—

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**November 1992 Through September 2005**  
**76 Station 3312**

Date Sampled	TOC Elevation	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>U-7 continued</b>														
12/14/00	179.81	20.73	0.00	159.08	0.17	ND	—	ND	ND	ND	ND	3.9	—	
03/14/01	179.81	16.48	0.00	163.33	4.25	ND	—	ND	ND	ND	ND	2.9	—	
06/13/01	179.81	19.95	0.00	159.86	-3.47	ND	—	ND	ND	ND	ND	4.7	3.8	
09/19/01	179.81	20.91	0.00	158.90	-0.96	ND<50	—	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.8	2.6	
12/19/01	179.81	15.29	0.00	164.52	5.62	ND<50	—	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	—	
03/13/02	179.81	14.78	0.00	165.03	0.51	ND<50	—	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	—	
06/12/02	179.81	19.49	0.00	160.32	-4.71	ND<50	—	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	—	
09/11/02	179.81	21.01	0.00	158.80	-1.52	57	—	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	—	
12/11/02	179.81	21.04	0.00	158.77	-0.03	86	—	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	—	
03/17/03	179.81	16.01	0.00	163.80	5.03	ND<50	—	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	—	
06/17/03	179.81	18.12	0.00	161.69	-2.11	ND<50	—	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	—	
09/15/03	179.81	—	—	—	—	—	—	—	—	—	—	—	—	Inaccessible
12/15/03	179.81	—	—	—	—	—	—	—	—	—	—	—	—	Covered with asphalt
03/16/04	179.81	—	—	—	—	—	—	—	—	—	—	—	—	Covered with asphalt
06/14/04	179.81	—	—	—	—	—	—	—	—	—	—	—	—	Covered with asphalt
09/14/04	179.81	—	—	—	—	—	—	—	—	—	—	—	—	Covered with asphalt
12/14/04	179.81	—	—	—	—	—	—	—	—	—	—	—	—	Paved Over
03/01/05	179.81	—	—	—	—	—	—	—	—	—	—	—	—	Paved over
06/07/05	179.81	—	—	—	—	—	—	—	—	—	—	—	—	Paved over
09/06/05	—	19.56	0.00	—	—	—	—	53	ND<0.50	ND<0.50	ND<0.50	ND<1.0	10	
<b>U-8 (Screen Interval in feet: 10-30)</b>														
06/22/93	179.79	18.81	0.00	160.98	—	7500	—	12	ND	130	700	—	—	
08/27/93	179.79	20.36	0.00	159.43	-1.55	2000	—	14	ND	12	20	—	—	
12/16/93	179.36	18.56	0.00	160.80	1.37	590	—	7.4	1.1	31	31	—	—	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**November 1992 Through September 2005**  
**76 Station 3312**

	Date Sampled	TOC Elevation	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>U-8 continued</b>															
	03/10/94	179.36	17.19	0.00	162.17	1.37	460	--	3.5	ND	18	14	5.6	--	
	06/09/94	179.36	19.47	0.00	159.89	-2.28	520	--	3.8	0.69	2.3	20	--	--	
	09/08/94	179.36	21.04	0.00	158.32	-1.57	630	--	5.2	ND	20	15	--	--	
	12/06/94	179.36	18.18	0.00	161.18	2.86	700	--	13	1.8	35	33	--	--	
	03/09/95	179.79	10.41	0.00	169.38	8.20	560	--	4.6	0.6	27	20	--	--	
	06/13/95	179.79	16.48	0.00	163.31	-6.07	450	--	7.5	ND	38	26	25	--	
	09/14/95	179.85	20.14	0.00	159.71	-3.60	230	--	3.4	ND	18	78	16	--	
	10/25/95	179.85	20.65	0.00	159.20	-0.51	760	--	9.1	0.98	16	9.1	--	--	
D	10/25/95	179.85	20.65	0.00	159.20	-0.51	600	--	6.9	0.83	14	5.8	--	--	
	03/22/96	179.85	12.54	0.00	167.31	8.11	ND	--	0.5	ND	1.8	0.77	ND	--	
	06/24/96	179.85	17.23	0.00	162.62	-4.69	180	--	0.69	2.9	12	2.4	--	--	
D	06/24/96	179.85	17.23	0.00	162.62	-4.69	180	--	0.70	2.8	12	2.2	--	--	
	09/26/96	179.85	20.57	0.00	159.28	-3.34	250	--	0.52	ND	11	2.5	--	--	
	12/18/96	179.85	17.61	0.00	162.24	2.96	94	--	3.7	ND	11	3.9	8.2	--	
	03/24/97	179.85	15.96	0.00	163.89	1.65	280	--	2.8	0.63	18	4.3	ND	--	
	06/24/97	179.85	19.65	0.00	160.20	-3.69	140	--	1.9	ND	6.4	1.3	ND	--	
	09/26/97	179.85	21.05	0.00	158.80	-1.40	160	--	2.3	ND	10	2.7	ND	--	
	12/16/97	179.85	16.80	0.00	163.05	4.25	130	--	0.6	ND	7.8	3.1	ND	--	
	03/11/98	179.85	11.01	0.00	168.84	5.79	ND	--	ND	ND	ND	ND	ND	--	
	06/15/98	179.85	16.13	0.00	163.72	-5.12	170	--	4.4	ND	12	3.7	6.9	ND	
	09/23/98	179.85	20.29	0.00	159.56	-4.16	127	--	ND	ND	0.941	0.713	ND	ND	
	12/28/98	179.85	18.77	0.00	161.08	1.52	210	--	3.2	ND	7.7	2.8	5.7	ND	
	03/19/99	179.85	12.98	0.00	166.87	5.79	150	--	1.9	ND	4.8	2.1	3.8	--	
	06/21/99	179.85	17.86	0.00	161.99	-4.88	230	--	2.2	ND	8.1	2.2	4.1	--	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**November 1992 Through September 2005**  
**76 Station 3312**

	Date Sampled	TOC Elevation	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>U-8 continued</b>															
09/30/99	179.85	20.76	0.00	159.09	-2.90	140	--	2.9	ND	ND	2.8	3.6	--	--	
12/20/99	179.85	20.25	0.00	159.60	0.51	ND	--	0.907	ND	ND	ND	ND	--	--	
03/17/00	179.85	12.59	0.00	167.26	7.66	444	--	6.60	ND	10.6	10.0	12.3	--	--	
06/22/00	179.85	18.12	0.00	161.73	-5.53	410	--	2.8	0.6	18	4.9	6.6	--	--	
07/12/00	179.85	18.87	0.00	160.98	-0.75	--	--	--	--	--	--	--	--	--	
10/10/00	179.85	20.60	0.00	159.25	-1.73	380	--	7.1	0.62	2.2	1.3	13	--	--	
12/14/00	179.85	20.18	0.00	159.67	0.42	71	--	0.84	ND	ND	ND	ND	3.3	--	
03/14/01	179.85	15.87	0.00	163.98	4.31	220	--	4.5	ND	11	3.2	20	--	--	
06/13/01	179.85	19.55	0.00	160.30	-3.68	160	--	ND	ND	ND	ND	ND	--	--	
09/19/01	179.85	21.08	0.00	158.77	-1.53	160	--	3.2	ND<0.50	4.4	1.1	14	ND<2.0	--	
12/19/01	179.85	14.90	0.00	164.95	6.18	88	--	2.1	ND<0.50	2	0.73	8.8	ND<2.0	--	
03/13/02	179.85	15.11	0.00	164.74	-0.21	92	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--	
06/12/02	179.85	19.13	0.00	160.72	-4.02	58	--	1.2	ND<0.50	ND<0.50	ND<0.50	4	2	--	
09/11/02	179.85	20.86	0.00	158.99	-1.73	55	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--	
12/11/02	179.85	20.77	0.00	159.08	0.09	ND>0	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	--	--	
03/17/03	179.85	15.42	0.00	164.43	5.35	ND>0	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	--	--	
06/17/03	179.85	17.79	0.00	162.06	-2.37	ND>0	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	--	--	
09/15/03	179.85	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
12/15/03	179.85	--	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
03/16/04	179.85	--	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
06/14/04	179.85	--	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
09/14/04	179.85	--	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
12/14/04	179.85	--	--	--	--	--	--	--	--	--	--	--	--	--	Paved Over
03/01/05	179.85	--	--	--	--	--	--	--	--	--	--	--	--	--	Paved over

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**November 1992 Through September 2005**  
**76 Station 3312**

Date Sampled	TOC Elevation	Depth to Water	LPH Thickness	Ground- water Elevation	Change in Elevation	TPH-G 8260B	TPPH 8260B	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE 8021B	MTBE 8260B	Comments
06/07/05	179.85	--	--	--	--	--	--	--	--	--	--	--	--	--
09/06/05	--	19.37	0.00	--	--	--	--	83	ND<0.50	ND<0.50	ND<1.0	--	--	ND<0.50
<b>U-8 continued</b>														
<b>U-9</b>	<b>(Screen Interval in feet: 10-30)</b>													
03/09/95	180.20	13.44	0.00	166.76	--	ND	--	ND	ND	ND	ND	--	--	--
06/13/95	180.20	17.65	0.00	162.55	-4.21	ND	--	ND	ND	ND	ND	ND	--	--
09/14/95	180.19	21.33	0.00	158.86	-3.69	ND	--	ND	ND	ND	ND	ND	--	--
10/25/95	180.19	21.36	0.00	158.83	-0.03	--	--	--	--	--	--	--	--	--
03/22/96	180.19	13.70	0.00	166.49	7.66	ND	--	ND	ND	ND	ND	--	--	--
06/24/96	180.19	18.42	0.00	161.77	-4.72	ND	--	ND	ND	ND	ND	--	--	--
09/26/96	180.19	21.66	0.00	158.53	-3.24	ND	--	ND	ND	ND	ND	--	--	--
12/18/96	180.19	19.16	0.00	161.03	2.50	ND	--	ND	ND	ND	ND	ND	--	--
03/24/97	180.19	17.09	0.00	163.10	2.07	ND	--	ND	ND	ND	ND	ND	--	--
06/24/97	180.19	20.75	0.00	159.44	-3.66	ND	--	ND	ND	ND	ND	ND	--	--
09/26/97	180.19	22.05	0.00	158.14	-1.30	ND	--	ND	ND	ND	ND	ND	--	--
12/16/97	180.19	18.71	0.00	161.48	3.34	ND	--	ND	ND	ND	ND	ND	--	--
03/11/98	180.19	12.43	0.00	167.76	6.28	ND	--	ND	ND	ND	ND	ND	--	--
06/15/98	180.19	17.56	0.00	162.63	-5.13	ND	--	ND	ND	ND	ND	ND	--	--
09/23/98	180.19	21.22	0.00	158.97	-3.66	ND	--	ND	ND	ND	ND	ND	--	--
12/28/98	180.19	20.05	0.00	160.14	1.17	ND	--	ND	ND	ND	ND	ND	--	--
03/19/99	180.19	14.24	0.00	165.95	5.81	ND	--	ND	ND	ND	ND	ND	--	--
06/21/99	180.19	19.28	0.00	160.91	-5.04	ND	--	ND	ND	ND	ND	ND	--	--
09/30/99	180.19	21.79	0.00	158.40	-2.51	ND	--	ND	ND	ND	ND	ND	--	--
12/20/99	180.19	21.62	0.00	158.57	0.17	ND	--	ND	ND	ND	ND	ND	--	--
03/17/00	180.19	13.79	0.00	166.40	7.83	ND	--	ND	ND	ND	ND	ND	--	--

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**November 1992 Through September 2005**  
**76 Station 3312**

	Date Sampled	TOC Elevation	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>U-9 continued</b>															
06/22/00	180.19	19.30	0.00	160.89	-5.51	ND	--	ND	ND	ND	ND	ND	ND	--	
07/12/00	180.19	20.11	0.00	160.08	-0.81	--	--	--	--	--	--	--	--	--	
10/10/00	180.19	21.58	0.00	158.61	-1.47	ND	--	ND	ND	ND	ND	ND	ND	--	
12/14/00	180.19	20.41	0.00	159.78	1.17	ND	--	ND	ND	ND	ND	ND	8.7	--	
03/14/01	180.19	17.32	0.00	162.87	3.09	ND	--	ND	ND	ND	ND	ND	ND	--	
06/13/01	180.19	20.71	0.00	159.48	-3.39	ND	--	ND	ND	ND	ND	ND	ND	--	
09/19/01	180.19	21.91	0.00	158.28	-1.20	ND<50	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<2.5	
12/19/01	180.19	16.66	0.00	163.53	5.25	ND>50	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<2.5	
03/13/02	180.19	15.58	0.00	164.61	1.08	ND>50	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<2.5	
06/12/02	180.19	23.20	0.00	156.99	-7.62	ND>50	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<2.5	
09/11/02	180.19	24.41	0.00	155.78	-1.21	ND>50	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	5.2	
12/11/02	180.19	23.83	0.00	156.36	0.58	ND>50	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	--	
03/17/03	180.19	19.46	0.00	160.73	4.37	ND>50	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	--	
06/17/03	180.19	21.53	0.00	158.66	-2.07	ND>50	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	--	
09/15/03	180.19	24.47	0.00	155.72	-2.94	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	41	
12/15/03	180.19	20.22	0.00	159.97	4.25	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	--	
03/16/04	180.19	15.33	0.00	164.86	4.89	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	2.2	
06/14/04	180.19	20.48	0.00	159.71	-5.15	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	--	
09/14/04	180.19	22.14	0.00	158.05	-1.66	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	--	
12/14/04	180.19	20.12	0.00	160.07	2.02	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	--	
03/01/05	180.19	16.54	0.00	163.65	3.58	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	--	
06/07/05	180.19	16.95	0.00	163.24	-0.41	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	--	
09/06/05	180.19	20.74	0.00	159.45	-3.79	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	--	

**U-10** (Screen Interval in feet: 10-30)

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**November 1992 Through September 2005**  
**76 Station 3312**

	Date Sampled	TOC Elevation	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>U-10 continued</b>															
03/09/95	180.53	12.96	0.00	167.57	--	ND	--	ND	ND	ND	ND	ND	--	ND	--
06/13/95	180.53	17.67	0.00	162.86	-4.71	ND	--	ND	0.63	ND	0.58	ND	--	ND	--
09/14/95	180.54	21.52	0.00	159.02	-3.84	ND	--	ND	ND	ND	ND	ND	--	ND	--
10/25/95	180.54	21.58	0.00	158.96	-0.06	--	--	ND	ND	ND	ND	ND	--	ND	--
03/22/96	180.54	13.29	0.00	167.25	8.29	ND	--	ND	ND	ND	ND	ND	--	ND	--
06/24/96	180.54	18.51	0.00	162.03	-5.22	ND	--	ND	ND	ND	ND	ND	--	ND	--
09/26/96	180.54	21.75	0.00	158.79	-3.24	ND	--	ND	ND	ND	ND	ND	--	ND	--
12/18/96	180.54	19.51	0.00	161.03	2.24	ND	--	ND	ND	ND	ND	ND	--	ND	--
03/24/97	180.54	17.05	0.00	163.49	2.46	ND	--	ND	ND	ND	ND	ND	--	ND	--
06/24/97	180.54	21.01	0.00	159.53	-3.96	ND	--	ND	ND	ND	ND	ND	--	ND	--
09/26/97	180.54	21.96	0.00	158.58	-0.95	ND	--	ND	ND	ND	ND	ND	--	ND	--
12/16/97	180.54	18.93	0.00	161.61	3.03	ND	--	ND	ND	ND	ND	ND	--	ND	--
03/11/98	180.54	12.51	0.00	168.03	6.42	ND	--	ND	ND	ND	ND	ND	--	ND	--
06/15/98	180.54	17.65	0.00	162.89	-5.14	ND	--	ND	ND	ND	ND	ND	--	ND	--
09/23/98	180.54	21.54	0.00	159.00	-3.89	ND	--	ND	ND	ND	ND	ND	--	ND	--
12/28/98	180.54	20.31	0.00	160.23	1.23	ND	--	ND	ND	ND	ND	ND	--	ND	--
03/19/99	180.54	13.98	0.00	166.56	6.33	ND	--	ND	ND	ND	ND	ND	--	ND	--
06/21/99	180.54	19.51	0.00	161.03	-5.53	ND	--	ND	ND	ND	ND	ND	--	ND	--
09/30/99	180.54	21.98	0.00	158.56	-2.47	ND	--	ND	ND	ND	ND	ND	--	ND	--
12/20/99	180.54	21.76	0.00	158.78	0.22	ND	--	ND	ND	ND	ND	ND	--	ND	--
03/17/00	180.54	13.42	0.00	167.12	8.34	ND	--	ND	ND	ND	ND	ND	--	ND	--
06/22/00	180.54	19.52	0.00	161.02	-6.10	ND	--	ND	ND	ND	ND	ND	--	ND	--
07/12/00	180.54	20.31	0.00	160.23	-0.79	--	--	--	ND	ND	ND	ND	--	ND	--
10/10/00	180.54	21.87	0.00	158.67	-1.56	ND	--	ND	ND	ND	ND	ND	--	ND	--

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**November 1992 Through September 2005**  
**76 Station 3312**

	Date	TOC Sampled	Depth to Elevation	LPH Water (feet)	Thickness (feet)	Ground- water Elevation (feet)	Change in Elevation (feet)	TPH-G 8260B ( $\mu\text{g/l}$ )	TPPH 8260B ( $\mu\text{g/l}$ )	Benzene ( $\mu\text{g/l}$ )	Toluene ( $\mu\text{g/l}$ )	Ethyl- benzene ( $\mu\text{g/l}$ )	Total Xylenes ( $\mu\text{g/l}$ )	MTBE 8021B ( $\mu\text{g/l}$ )	MTBE 8260B ( $\mu\text{g/l}$ )	Comments
<b>U-10 continued</b>																
12/14/00	180.54	20.76	0.00	159.78	1.11	ND	-	ND	ND	ND	ND	ND	ND	8.6	--	
03/14/01	180.54	17.32	0.00	163.22	3.44	ND	-	ND	ND	ND	ND	ND	ND	ND	--	
06/13/01	180.54	21.00	0.00	159.54	-3.68	ND	-	ND	ND	ND	ND	ND	ND	ND	--	
09/19/01	180.54	22.20	0.00	158.34	-1.20	ND<50	-	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
12/19/01	180.54	16.74	0.00	163.80	5.46	ND<50	-	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
03/13/02	180.54	15.86	0.00	164.68	0.88	ND<50	-	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
06/12/02	180.54	20.45	0.00	160.09	-4.59	ND<50	-	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
09/11/02	180.54	22.01	0.00	158.53	-1.56	ND<50	-	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
12/11/02	180.54	21.85	0.00	158.69	0.16	ND<50	-	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
03/17/03	180.54	15.34	0.00	165.20	6.51	ND<50	-	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	--	
06/17/03	180.54	17.52	0.00	163.02	-2.18	ND<50	-	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	--	
09/15/03	180.54	20.36	0.00	160.18	-2.84	-	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND	ND<2.0	--	
12/15/03	180.54	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
03/16/04	180.54	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
06/14/04	180.54	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
09/14/04	180.54	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
12/14/04	180.54	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
03/10/05	180.54	19.19	0.00	161.35	--	--	--	55	0.65	1.6	0.68	2.8	--	ND<0.50	--	
06/07/05	180.54	16.82	0.00	163.72	2.37	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	--	
09/06/05	180.54	21.06	0.00	159.48	-4.24	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	--	--	
<b>U-11 (Screen Interval in feet: 10-30)</b>																
03/09/95	181.08	11.80	0.00	169.28	--	ND	--	ND	ND	ND	ND	ND	ND	--	--	
06/13/95	181.08	16.90	0.00	164.18	-5.10	ND	--	ND	ND	ND	ND	ND	ND	1.5	--	
09/14/95	181.09	20.08	0.00	161.01	-3.17	ND	--	ND	ND	ND	ND	ND	ND	--	--	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**November 1992 Through September 2005**  
**76 Station 3312**

Date Sampled	TOC Elevation	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
10/25/95	181.09	20.21	0.00	160.88	-0.13	--	--	--	--	--	--	--	--	--
03/23/96	181.09	12.68	0.00	168.41	7.53	ND	--	ND	ND	ND	ND	--	--	--
06/24/96	181.09	17.54	0.00	163.55	-4.86	ND	--	ND	ND	ND	ND	--	--	--
09/26/96	181.09	20.79	0.00	160.30	-3.25	ND	--	ND	ND	ND	ND	--	--	--
12/18/96	181.09	17.53	0.00	163.56	3.26	ND	--	ND	ND	ND	ND	ND	--	--
03/24/97	181.09	16.30	0.00	164.79	1.23	ND	--	ND	ND	ND	ND	ND	--	--
06/24/97	181.09	20.20	0.00	160.89	-3.90	ND	--	ND	ND	ND	ND	ND	--	--
09/26/97	181.09	21.68	0.00	159.41	-1.48	ND	--	ND	ND	ND	ND	ND	--	--
12/16/97	181.09	16.86	0.00	164.23	4.82	ND	--	ND	ND	ND	ND	ND	--	--
03/11/98	181.09	11.12	0.00	169.97	5.74	ND	--	ND	ND	ND	ND	ND	--	--
06/15/98	181.09	16.18	0.00	164.91	-5.06	ND	--	ND	ND	ND	ND	ND	--	--
09/23/98	181.09	20.92	0.00	160.17	-4.74	ND	--	ND	ND	ND	ND	ND	--	--
12/28/98	181.09	18.92	0.00	162.17	2.00	ND	--	ND	ND	ND	ND	ND	--	--
03/19/99	181.09	13.15	0.00	167.94	5.77	ND	--	ND	ND	ND	ND	ND	--	--
06/21/99	181.09	18.35	0.00	162.74	-5.20	ND	--	ND	ND	ND	ND	ND	--	--
09/30/99	181.09	21.48	0.00	159.61	-3.13	ND	--	ND	ND	ND	ND	1.7	ND	--
12/20/99	181.09	20.43	0.00	160.66	1.05	ND	--	ND	ND	ND	ND	ND	--	--
03/17/00	181.09	12.64	0.00	168.45	7.79	ND	--	ND	ND	ND	ND	ND	--	--
06/22/00	181.09	18.45	0.00	162.64	-5.81	ND	--	ND	ND	ND	ND	ND	8.4	--
07/12/00	181.09	19.44	0.00	161.65	-0.99	--	--	--	--	--	--	--	--	--
10/10/00	181.09	21.16	0.00	159.93	-1.72	ND	--	ND	ND	ND	ND	ND	--	--
12/14/00	181.09	20.07	0.00	161.02	1.09	ND	--	ND	ND	ND	ND	ND	--	--
03/14/01	181.09	15.71	0.00	165.38	4.36	ND	--	ND	ND	ND	ND	ND	--	--
06/13/01	181.09	19.87	0.00	161.22	-4.16	ND	--	ND	ND	ND	ND	ND	--	--

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**November 1992 Through September 2005**  
**76 Station 3312**

	Date	TOC Sampled	Elevation	Depth to Water (feet)	LPH Thickness (feet)	Ground- water Elevation (feet)	Change in Elevation (feet)	TPH-G 8260B (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl- benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>U-11 continued</b>																
09/19/01	181.09	22.01	0.00	159.08	-2.14	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--	
12/19/01	181.09	14.89	0.00	166.20	7.12	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--	
03/13/02	181.09	15.18	0.00	165.91	-0.29	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<2.0	ND<2.0	
06/12/02	181.09	19.44	0.00	161.65	-4.26	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--	
09/11/02	181.09	21.60	0.00	159.49	-2.16	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--	
12/11/02	181.09	21.27	0.00	159.82	0.33	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	--	--	
03/17/03	181.09	15.48	0.00	165.61	5.79	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	--	--	
06/17/03	181.09	18.25	0.00	162.84	-2.77	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	--	--	
09/15/03	181.09	20.81	0.00	160.28	-2.56	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	--	ND<2.0	
12/15/03	181.09	19.24	0.00	161.85	1.57	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	--	ND<2.0	
03/16/04	181.09	14.32	0.00	166.77	4.92	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	--	ND<2.0	
06/14/04	181.09	19.95	0.00	161.14	-5.63	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	--	ND<2.0	
09/14/04	181.09	21.89	0.00	159.20	-1.94	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	--	ND<2.0	
12/14/04	181.09	19.33	0.00	161.76	2.56	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	--	ND<2.0	
03/01/05	181.09	15.12	0.00	165.97	4.21	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	--	ND<2.0	
06/07/05	181.09	16.61	0.00	164.48	-1.49	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	--	ND<2.0	
09/06/05	181.09	20.43	0.00	160.66	-3.82	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	--	ND<2.0	
<b>WSW-700</b>																
03/23/94	--	--	--	--	--	ND	--	ND	ND	ND	ND	ND	27	--	--	
06/15/98	--	--	--	--	--	--	--	--	--	--	--	--	--	--	INACCESSIBLE	
09/23/98	--	22.50	--	--	--	ND	--	ND	ND	ND	ND	ND	87.3	93		
12/28/98	--	--	--	--	--	ND	--	ND	ND	ND	ND	ND	2.7	2.3		
03/19/99	--	--	--	--	--	ND	--	ND	ND	ND	ND	ND	2	2		
06/21/99	--	--	--	--	--	ND	--	ND	ND	ND	ND	ND	150	66		

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**November 1992 Through September 2005**  
**76 Station 3312**

WSW-700 continued		Date Sampled	TOC Elevation	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments	
09/30/99	--	--	--	--	--	--	--	ND	--	ND	ND	ND	ND	57	29		
12/20/99	--	--	--	--	--	--	--	ND	--	ND	ND	ND	ND	ND	ND		
03/17/00	--	--	--	--	--	--	--	ND	--	ND	ND	ND	ND	ND	ND		
06/22/00	--	--	--	--	--	--	--	ND	--	ND	ND	ND	ND	ND	ND		
10/10/00	--	--	--	--	--	--	--	ND	--	ND	ND	ND	ND	130	120		
12/14/00	--	--	--	--	--	--	--	ND	--	ND	ND	ND	ND	45	54		
03/14/01	--	--	--	--	--	--	--	ND	--	ND	ND	ND	ND	ND	ND		
06/13/01	--	--	--	--	--	--	--	ND	--	ND	ND	ND	ND	4.9	ND		
09/19/01	--	--	--	--	--	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	11	10		
12/19/01	--	--	--	--	--	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<2.0		
03/13/02	--	--	--	--	--	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<2.0		
06/12/02	--	--	--	--	--	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	100	110		
09/11/02	--	--	--	--	--	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	22	22		
12/11/02	--	--	--	--	--	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	11	12		
03/17/03	--	--	--	--	--	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	35	48		
06/17/03	--	--	--	--	--	--	--	ND<100	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	140	150		
09/15/03	--	--	--	--	--	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<1.0	--	54	Port sample	
12/15/03	--	--	--	--	--	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<1.0	--	ND<2.0	Port sample	
03/16/04	--	--	--	--	--	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<1.0	--	24	Port sample	
06/14/04	--	--	--	--	--	--	--	58	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<1.0	--	36	Water supply well	
09/14/04	--	--	--	--	--	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<1.0	--	ND<0.50	Inaccessible - Property Gated	
12/14/04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Port sample	
03/10/05	--	--	--	--	--	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<1.0	--	ND<0.50	Water supply well	
06/07/05	--	--	--	--	--	--	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<1.0	--	ND<0.50	Water supply well

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**November 1992 Through September 2005**  
**76 Station 3312**

Date Sampled	TOC Elevation	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>WSW-700 continued</b>														
09/06/05	--	--	--	--	--	--	--	55	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	Water supply well
03/23/94	--	--	--	--	--	ND	--	ND	ND	ND	ND	20	--	
06/15/98	--	--	--	--	--	--	--	--	--	--	--	--	--	
09/23/98	--	--	--	--	--	ND	--	ND	ND	ND	ND	14.8	18	ND
12/28/98	--	--	--	--	--	ND	--	ND	ND	ND	ND	69	62	
03/19/99	--	--	--	--	--	ND	--	ND	ND	ND	ND	ND	ND	
06/21/99	--	--	--	--	--	ND	--	ND	ND	ND	ND	ND	ND	
09/30/99	--	--	--	--	--	ND	--	ND	ND	ND	ND	65	--	
12/20/99	--	--	--	--	--	ND	--	ND	ND	ND	ND	69.8	ND	
03/17/00	--	--	--	--	--	ND	--	ND	ND	ND	ND	10.5	--	
06/22/00	--	--	--	--	--	ND	--	ND	ND	ND	ND	ND	ND	
10/10/00	--	--	--	--	--	ND	--	ND	ND	ND	ND	81	65	
12/14/00	--	--	--	--	--	ND	--	ND	ND	ND	ND	76	--	
03/14/01	--	--	--	--	--	ND	--	ND	ND	ND	ND	24	--	
06/13/01	--	--	--	--	--	ND	--	ND	ND	ND	ND	13	2.8	
09/19/01	--	--	--	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	86	120	
12/19/01	--	--	--	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	77	--	
03/13/02	--	--	--	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
06/12/02	--	--	--	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**November 1992 Through September 2005**  
**76 Station 3312**

	Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground- water Elevation (feet)	Change in Elevation (feet)	TPH-G 8260B	TPPH 8260B	Benzene	Toluene	Ethy- lbenzene	Total Xylenes	MTBE 8021B	MTBE 8260B	Comments
<b>WSW-725 continued</b>															
09/11/02	--	--	--	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
12/11/02	--	--	--	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	65	84	
03/17/03	--	--	--	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	--	
06/17/03	--	--	--	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	--	
09/15/03	--	--	--	--	--	--	59	ND<0.50	0.56	ND<0.50	ND<1.0	--	ND<2.0		
12/15/03	--	--	--	--	--	--	250	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0		
03/16/04	--	--	--	--	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	46	Port sample	
06/14/04	--	--	--	--	--	--	160	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	Port sample	
09/14/04	--	--	--	--	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	Water supply well	
12/14/04	--	--	--	--	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	Water Supply Well	
03/01/05	--	--	--	--	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	Water supply well	
06/07/05	--	--	--	--	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	Water Supply Well	
09/06/05	--	--	--	--	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	Water supply well	

**Table 3**  
**ADDITIONAL ANALYTICAL RESULTS**  
**76 Station 3312**

Date Sampled	TPH-D ( $\mu\text{g/l}$ )	cis-1,3-dichloro-propene ( $\mu\text{g/l}$ )	trans-1,3-Dichloro-propene ( $\mu\text{g/l}$ )	1,4-Dichloro-benzene ( $\mu\text{g/l}$ )	EDC ( $\mu\text{g/l}$ )	Chloro-benzene ( $\mu\text{g/l}$ )	Chloro-ethoxy-1-vinyl ( $\mu\text{g/l}$ )	Dibromo-chloro-methane ( $\mu\text{g/l}$ )	PCE ( $\mu\text{g/l}$ )	cis-1,2-Dichloro-ethene ( $\mu\text{g/l}$ )	trans-1,2-Dichloro-ethene ( $\mu\text{g/l}$ )	1,3-Dichloro-benzene ( $\mu\text{g/l}$ )	Carbon-tetra-chloride ( $\mu\text{g/l}$ )	Chloro-form ( $\mu\text{g/l}$ )	1,1,1-Trichloro-ethane ( $\mu\text{g/l}$ )	
U-1																
06/13/01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09/19/01	-	-	-	-	-	-	-	ND<2.0	-	-	-	-	-	-	-	-
12/19/01	-	-	-	-	-	-	-	ND<4.0	-	-	-	-	-	-	-	-
03/13/02	-	-	-	-	-	-	-	ND<2.0	-	-	-	-	-	-	-	-
06/12/02	-	-	-	-	-	-	-	ND<2.0	-	-	-	-	-	-	-	-
03/17/03	-	-	-	-	-	-	-	ND<2.0	-	-	-	-	-	-	-	-
06/17/03	-	-	-	-	-	-	-	ND<2.0	-	-	-	-	-	-	-	-
06/14/04	-	-	-	-	-	-	-	ND<2.5	-	-	-	-	-	-	-	-
09/14/04	-	-	-	-	-	-	-	ND<2.5	-	-	-	-	-	-	-	-
12/14/04	-	-	-	-	-	-	-	ND<0.5	-	-	-	-	-	-	-	-
03/01/05	-	-	-	-	-	-	-	ND<2.5	-	-	-	-	-	-	-	-
U-3																
06/12/01	-	-	-	-	-	-	-	-	ND	-	-	-	-	-	-	-
09/19/01	-	-	-	-	-	-	-	-	ND<4.0	-	-	-	-	-	-	-
06/12/02	-	-	-	-	-	-	-	-	ND<5.0	-	-	-	-	-	-	-
03/17/03	-	-	-	-	-	-	-	-	ND<4.0	-	-	-	-	-	-	-
06/17/03	-	-	-	-	-	-	-	-	ND<10	-	-	-	-	-	-	-
09/15/03	-	-	-	-	-	-	-	-	ND<20	-	-	-	-	-	-	-
12/15/03	-	-	-	-	-	-	-	-	ND<0.5	-	-	-	-	-	-	-
03/16/04	-	-	-	-	-	-	-	-	ND<20	-	-	-	-	-	-	-
06/14/04	-	-	-	-	-	-	-	-	ND<1.0	-	-	-	-	-	-	-
09/14/04	-	-	-	-	-	-	-	-	ND<10	-	-	-	-	-	-	-
12/14/04	-	-	-	-	-	-	-	-	ND<0.5	-	-	-	-	-	-	-
03/01/05	-	-	-	-	-	-	-	-	ND<10	-	-	-	-	-	-	-
U-4																
09/19/01	-	-	-	-	-	-	-	-	ND<4.0	-	-	-	-	-	-	-

**Table 3**  
**ADDITIONAL ANALYTICAL RESULTS**  
**76 Station 3312**

Date Sampled	TPH-D ( $\mu\text{g/l}$ )	cis-1,3-dichloro-propene ( $\mu\text{g/l}$ )	trans-1,3-Dichloro-propene ( $\mu\text{g/l}$ )	1,4-Dichloro-benzene ( $\mu\text{g/l}$ )	EDC	Chloro-benzene	2-Chloroethyl vinyl ( $\mu\text{g/l}$ )	Dibromo-chloro-methane ( $\mu\text{g/l}$ )	PCE	cis-1,2-Dichloro-ethene ( $\mu\text{g/l}$ )	trans-1,2-Dichloro-ethene ( $\mu\text{g/l}$ )	Carbon tetrachloride ( $\mu\text{g/l}$ )	Chloroform ( $\mu\text{g/l}$ )	1,1,1-Trichloro-ethane ( $\mu\text{g/l}$ )	
<b>U-4 continued</b>															
12/19/01	-	-	-	-	-	ND<10	-	-	-	-	-	-	-	-	-
06/12/02	-	-	-	-	-	ND<2.0	-	-	-	-	-	-	-	-	-
12/11/02	-	-	-	-	-	ND<40	-	-	-	-	-	-	-	-	-
03/17/03	-	-	-	-	-	ND<2.0	-	-	-	-	-	-	-	-	-
09/14/04	-	-	-	-	-	ND<2.5	-	-	-	-	-	-	-	-	-
<b>U-5</b>															
06/12/01	-	-	-	-	-	ND	-	-	-	-	-	-	-	-	-
09/19/01	-	-	-	-	-	ND<2.0	-	-	-	-	-	-	-	-	-
12/19/01	-	-	-	-	-	ND<5.0	-	-	-	-	-	-	-	-	-
<b>U-6</b>															
11/11/92	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-
01/14/93	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06/22/93	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08/27/93	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12/16/93	6100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03/10/94	2800	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06/09/94	2800	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09/08/94	2000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12/06/94	7200	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03/09/95	2100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06/13/95	3600	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09/14/95	3000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03/22/96	2100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06/24/96	2500	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09/26/96	2500	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12/18/96	2200	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**Table 3**  
**ADDITIONAL ANALYTICAL RESULTS**  
**76 Station 3312**

Date Sampled	TPH-D ( $\mu\text{g/l}$ )	cis-1,3-dichloro-propene ( $\mu\text{g/l}$ )	trans-1,3-Dichloro-propene ( $\mu\text{g/l}$ )	1,4-Dichloro-benzene ( $\mu\text{g/l}$ )	EDC ( $\mu\text{g/l}$ )	Chloro-benzene ( $\mu\text{g/l}$ )	Chloro-ethoxy 1 vinyl ( $\mu\text{g/l}$ )	Dibromo-chloro-methane ( $\mu\text{g/l}$ )	PCE ( $\mu\text{g/l}$ )	cis-1,2-Dichloro-ethene ( $\mu\text{g/l}$ )	trans-1,2-Dichloro-ethene ( $\mu\text{g/l}$ )	1,3-Dichloro-benzene ( $\mu\text{g/l}$ )	Carbon tetrachloride ( $\mu\text{g/l}$ )	Chloro-form ( $\mu\text{g/l}$ )	1,1,1-Trichloro-ethane ( $\mu\text{g/l}$ )
<b>U-6 continued</b>															
03/24/97	2600	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06/24/97	2500	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09/26/97	2300	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12/16/97	2800	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03/11/98	1200	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06/15/98	2500	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09/23/98	2550	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12/28/98	1800	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03/19/99	2100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06/21/99	1600	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09/30/99	1700	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12/20/99	2750	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03/17/00	2320	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06/22/00	1300	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10/10/00	1500	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12/14/00	561	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03/14/01	2100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09/19/01	1400	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12/19/01	1100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03/13/02	77	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06/12/02	1900	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09/11/02	820	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12/11/02	1700	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03/17/03	75	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06/17/03	ND<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**Table 3**  
**ADDITIONAL ANALYTICAL RESULTS**  
**76 Station 3312**

Date Sampled	TPH-D (µg/l)	cis-1,3-dichloro-propene (µg/l)	trans-1,3-Dichloro-propene (µg/l)	1,4-Dichloro-benzene (µg/l)	EDC	Chloro-benzene	2-Chloroethyl vinyl methane (µg/l)	Dibromo-chloro-methane (µg/l)	PCE	cis-1,2-Dichloro-ethene (µg/l)	trans-1,2-Dichloro-ethene (µg/l)	1,3-Dichloro-benzene (µg/l)	Carbon tetrachloride (µg/l)	Chloro-form (µg/l)	1,1,1-Trichloro-ethane (µg/l)
<b>U-6 continued</b>															
09/15/03	580	--	--	--	--	ND<2.0	--	--	--	--	--	--	--	--	--
12/15/03	1200	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
03/16/04	1300	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5
06/14/04	820	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
09/14/04	900	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
03/10/05	1200	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
06/07/05	930	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
09/06/05	2000	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0
<b>U-7</b>															
06/13/01	--	--	--	--	--	ND	--	--	--	--	--	--	--	--	--
09/19/01	--	--	--	--	--	ND<2.0	--	--	--	--	--	--	--	--	--
06/12/02	--	--	--	--	--	ND<2.0	--	--	--	--	--	--	--	--	--
<b>U-8</b>															
09/19/01	--	--	--	--	--	ND<2.0	--	--	--	--	--	--	--	--	--
12/19/01	--	--	--	--	--	ND<2.0	--	--	--	--	--	--	--	--	--
06/12/02	--	--	--	--	--	ND<2.0	--	--	--	--	--	--	--	--	--
<b>U-9</b>															
06/12/02	--	--	--	--	--	ND<2.0	--	--	--	--	--	--	--	--	--
12/11/02	--	--	--	--	--	ND<2.0	--	--	--	--	--	--	--	--	--
06/17/03	--	--	--	--	--	ND<2.0	--	--	--	--	--	--	--	--	--
<b>U-11</b>															
03/13/02	--	--	--	--	--	ND<2.0	--	--	--	--	--	--	--	--	--
03/17/03	--	--	--	--	--	ND<2.0	--	--	--	--	--	--	--	--	--
<b>WSW-700</b>															
03/14/01	--	--	--	--	--	ND	--	--	--	--	--	--	--	--	--

**Table 3**  
**ADDITIONAL ANALYTICAL RESULTS**  
**76 Station 3312**

Date Sampled	TPH-D ( $\mu\text{g/l}$ )	cis-1,3-dichloro-propene ( $\mu\text{g/l}$ )	trans-1,3-Dichloro-propene ( $\mu\text{g/l}$ )	1,4-Dichloro-benzene ( $\mu\text{g/l}$ )	EDC	Chloro-benzene	2-Chloroethyl vinyl ( $\mu\text{g/l}$ )	Dibromo-chloro-methane ( $\mu\text{g/l}$ )	PCE	cis-1,2-Dichloro-ethene ( $\mu\text{g/l}$ )	trans-1,2-Dichloro-ethene ( $\mu\text{g/l}$ )	Carbon tetrachloride ( $\mu\text{g/l}$ )	Chloro-form ( $\mu\text{g/l}$ )	1,1,1-Trichloro-ethane ( $\mu\text{g/l}$ )
<b>WSW-700 continued</b>														
06/13/01	-	-	-	-	-	ND	-	-	-	-	-	-	-	-
09/19/01	-	-	-	-	-	ND<2.0	-	-	-	-	-	-	-	-
12/19/01	-	-	-	-	-	ND<2.0	-	-	-	-	-	-	-	-
03/13/02	-	-	-	-	-	ND<2.0	-	-	-	-	-	-	-	-
06/12/02	-	-	-	-	-	ND<2.0	-	-	-	-	-	-	-	-
09/11/02	-	-	-	-	-	ND<0.50	-	-	-	-	-	-	-	-
12/11/02	-	-	-	-	-	ND<2.0	-	-	-	-	-	-	-	-
03/17/03	-	-	-	-	-	ND<2.0	-	-	-	-	-	-	-	-
06/17/03	-	-	-	-	-	ND<2.0	-	-	-	-	-	-	-	-
09/15/03	-	-	-	-	-	ND<2.0	-	-	-	-	-	-	-	-
03/16/04	-	-	-	-	-	ND<2.0	-	-	-	-	-	-	-	-
06/14/04	-	-	-	-	-	ND<0.50	-	-	-	-	-	-	-	-
03/10/05	-	-	-	-	-	ND<0.50	-	-	-	-	-	-	-	-
06/07/05	-	-	-	-	-	ND<0.50	-	-	-	-	-	-	-	-
09/06/05	-	-	-	-	-	ND<0.50	-	-	-	-	-	-	-	-
<b>WSW-725</b>														
06/13/01	-	-	-	-	-	ND	-	-	-	-	-	-	-	-
09/19/01	-	-	-	-	-	ND<2.0	-	-	-	-	-	-	-	-
12/15/03	-	-	-	-	-	ND<0.5	-	-	-	-	-	-	-	-
09/14/04	-	-	-	-	-	ND<0.50	-	-	-	-	-	-	-	-

**Table 3 b**  
**ADDITIONAL ANALYTICAL RESULTS**  
**76 Station 3312**

Date Sampled	Bromo-methane (µg/l)	Chloro-methane (µg/l)	Chloro-ethane (µg/l)	Vinyl chloride (µg/l)	Methylene chloride (µg/l)	Bromoform (µg/l)	Bromo-dichloro-methane (µg/l)	1,1-Dichloro-ethane (µg/l)	1,1-Dichloro-ethene (µg/l)	Trichloro-fluoro-methane (µg/l)	Trichloro-trifluoro-ethane (µg/l)	1,2-Dichloro-propane (µg/l)	1,1,2-Trichloro-ethane (µg/l)	TCE (µg/l)	1,1,2,2-Tetrachloro-ethane (µg/l)
U-6															
12/15/03	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<2.0	ND<20	ND<8.0	ND<2.0	ND<2.0	ND<4.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
03/16/04	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.5	ND<10	ND<2.5	ND<2.5	ND<5.0	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5
06/14/04	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<2.0	ND<20	ND<8.0	ND<2.0	ND<2.0	ND<4.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
09/14/04	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<2.0	ND<20	ND<8.0	ND<2.0	ND<2.0	ND<4.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
03/10/05	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<2.0	ND<8.0	ND<2.0	ND<2.0	ND<2.0	ND<4.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
06/07/05	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.50	ND<5.0	ND<2.0	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
09/06/05	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0

**Table 3 c**  
**ADDITIONAL ANALYTICAL RESULTS**  
**76 Station 3312**

Date Sampled	1,2-Dichloro-benzene (µg/l)	Dichloro-difluoromethane (µg/l)	EDB (µg/l)	Lead (Total) DO	Pre-Purge DO	Post Purge DO	TAME 8260B	TBA 8260B	DPE 8260B	ETBE 8260B	Zinc	Ethanol 8260B	Cadmium (mg/l)	Nickel (mg/l)	Chromium (mg/l)
<b>U-1</b>															
10/25/95	-	-	-	-	-	-	1.99	-	-	-	-	-	-	-	-
06/24/96	-	-	-	-	-	-	2.91	2.29	-	-	-	-	-	-	-
06/15/98	-	-	-	-	-	-	-	-	ND	ND	ND	ND	-	-	-
06/13/01	-	-	ND	-	-	-	-	-	ND	ND	ND	ND	-	-	-
09/19/01	-	-	ND<2.0	-	-	-	-	ND<2.0	ND<20	ND<2.0	ND<2.0	-	ND<500	-	-
12/19/01	-	-	ND<4.0	-	-	-	-	ND<4.0	ND<40	ND<4.0	ND<4.0	-	ND<1000	-	-
03/13/02	-	-	ND>2.0	-	-	-	-	-	2.6	ND<20	ND<2.0	ND<2.0	-	ND<500	-
06/12/02	-	-	ND>2.0	-	-	-	-	ND<2.0	ND<20	ND<2.0	ND<2.0	-	ND<500	-	-
03/17/03	-	-	ND>2.0	-	-	-	-	ND<2.0	ND<100	ND<2.0	ND<2.0	-	ND<500	-	-
06/17/03	-	-	ND>2.0	-	-	-	-	ND<2.0	ND<100	ND<2.0	ND<2.0	-	ND<500	-	-
06/14/04	-	-	ND>2.5	-	-	-	-	ND<2.5	ND<25	ND<5.0	ND<2.5	-	ND<250	-	-
09/14/04	-	-	ND>2.5	-	-	-	-	ND<2.5	ND<25	ND<5.0	ND<2.5	-	ND<250	-	-
12/14/04	-	-	ND<0.5	-	-	-	-	ND<2.5	ND<25	ND<5.0	ND<2.5	-	ND<50	-	-
03/01/05	-	-	ND<2.5	-	-	-	-	ND<2.5	ND<25	ND<5.0	ND<2.5	-	ND<250	-	-
<b>U-2</b>															
10/25/95	-	-	-	-	-	-	2.33	-	-	-	-	-	-	-	-
06/24/96	-	-	-	-	-	-	0.49	0.39	-	-	-	-	-	-	-
<b>U-3</b>															
10/25/95	-	-	-	-	-	-	2.07	-	-	-	-	-	-	-	-
06/24/96	-	-	-	-	-	-	0.94	0.64	-	-	-	-	-	-	-
06/12/01	-	-	ND	-	-	-	-	-	ND	ND	ND	ND	-	ND	-
09/19/01	-	-	ND<4.0	-	-	-	-	ND<4.0	40	ND<4.0	ND<4.0	-	ND<1000	-	-
06/12/02	-	-	ND<5.0	-	-	-	-	ND<5.0	ND<50	ND<5.0	ND<5.0	-	ND<1200	-	-
03/17/03	-	-	ND<4.0	-	-	-	-	ND<4.0	ND<200	ND<4.0	ND<4.0	-	ND<1000	-	-
06/17/03	-	-	ND<10	-	-	-	-	ND<10	ND<500	ND<10	ND<10	-	ND<2500	-	-
09/15/03	-	-	ND>20	-	-	-	-	ND>20	ND<1000	ND<20	ND<20	-	ND<5000	-	-

**Table 3 c**  
**ADDITIONAL ANALYTICAL RESULTS**  
**76 Station 3312**

Date Sampled	1,2-Dichloro-benzene ( $\mu\text{g/l}$ )	Dichloro-difluoromethane ( $\mu\text{g/l}$ )	EDB (Total)	Lead DO	Pre-Purge	Post Purge DO	TAME	TBA	DIPPE	ETBE	Zinc	Ethanol 8260B	Nickel	Cadmium	Chromium	(mg/l)
<b>U-3 continued</b>																
12/15/03	--	--	ND<0.5	--	--	--	ND<2.0	ND<5.0	ND<2.0	ND<2.0	--	ND<500	--	--	--	--
03/16/04	--	--	ND<20	--	--	--	ND<20	ND<1000	ND<20	ND<20	--	ND<5000	--	--	--	--
06/14/04	--	--	ND<1.0	--	--	--	ND<1.0	ND<10	ND<2.0	ND<1.0	--	ND<100	--	--	--	--
09/14/04	--	--	ND<10	--	--	--	ND<10	ND<100	ND<20	ND<10	--	ND<1000	--	--	--	--
12/14/04	--	--	ND<0.5	--	--	--	ND<10	120	ND<20	ND<10	--	ND<50	--	--	--	--
03/01/05	--	--	ND<10	--	--	--	ND<10	ND<100	ND<20	ND<10	--	ND<1000	--	--	--	--
<b>U-4</b>																
10/25/95	--	--	--	--	8.15	--	--	--	--	--	--	--	--	--	--	--
06/24/96	--	--	--	--	0.99	0.95	--	--	--	--	--	--	--	--	--	--
09/19/01	--	--	ND<4.0	--	--	--	ND<4.0	42	ND<4.0	ND<4.0	--	ND<1000	--	--	--	--
12/19/01	--	--	ND<10	--	--	--	ND<10	ND<100	ND<10	ND<10	--	ND<250	--	--	--	--
06/12/02	--	--	ND<2.0	--	--	--	ND<2.0	ND<20	ND<2.0	ND<2.0	--	ND<500	--	--	--	--
12/11/02	--	--	ND<40	--	--	--	ND<40	ND<2000	ND<40	ND<40	--	ND<10000	--	--	--	--
03/17/03	--	--	ND<2.0	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	--	ND<500	--	--	--	--
09/14/04	--	--	ND<2.5	--	--	--	ND<2.5	ND<25	ND<5.0	ND<2.5	--	ND<250	--	--	--	--
<b>U-5</b>																
10/25/95	--	--	--	--	2.59	--	--	--	--	--	--	--	--	--	--	--
06/24/96	--	--	--	--	0.99	0.71	--	--	--	--	--	--	--	--	--	--
06/12/01	--	--	ND	--	--	--	ND	ND	ND	ND	--	ND	--	--	--	--
09/19/01	--	--	ND<2.0	--	--	--	ND<2.0	ND<20	ND<2.0	ND<2.0	--	ND<500	--	--	--	--
12/19/01	--	--	ND<5.0	--	--	--	ND<5.0	ND<50	ND<5.0	ND<5.0	--	ND<1200	--	--	--	--
<b>U-6</b>																
11/11/92	--	--	--	ND	--	--	--	--	--	--	142	--	330	ND	127	
01/14/93	--	--	--	4.2	--	--	--	--	--	--	ND	--	45.4	ND	11	
06/22/93	--	--	--	14	--	--	--	--	--	--	130	--	240	ND	120	
08/27/93	--	--	--	18	--	--	--	--	--	--	160	--	390	ND	210	

**Table 3 c**  
**ADDITIONAL ANALYTICAL RESULTS**  
**76 Station 3312**

	Date Sampled	1,2-Dichloro-benzene (µg/l)	Dichloro-difluoromethane (µg/l)	EDB	Lead (Total)	Pre-Purge DO	Post Purge DO	TAME 8260B	TBA 8260B	DIPPE 8260B	ETBE 8260B	Zinc	Ethanol 8260B	Nickel	Cadmium	Chromium	(mg/l)
<b>U-6 continued</b>																	
12/16/93	--	--	--	ND	--	--	--	--	--	--	--	ND	--	39	ND	ND	ND
10/25/95	--	--	--	4.15	--	--	--	--	--	--	--	--	--	--	--	--	--
06/24/96	--	--	--	2.41	1.11	--	--	--	--	--	--	--	--	--	--	--	--
06/13/01	--	--	ND	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/19/01	--	--	ND<4.0	--	--	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0
12/19/01	--	--	ND<2.0	--	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
03/13/02	--	--	ND<2.0	--	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
06/12/02	--	--	ND<2.0	--	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
09/11/02	--	--	ND<50	--	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50
12/11/02	--	--	ND<2.0	--	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
06/17/03	--	--	ND<2.0	--	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
09/15/03	--	--	ND<2.0	--	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
12/15/03	ND<2.0	ND<4.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/16/04	ND<2.5	ND<5.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/14/04	ND<2.0	ND<4.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/14/04	ND<2.0	ND<4.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/10/05	ND<2.0	ND<4.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/07/05	ND<0.50	ND<1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/06/05	ND<5.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<b>U-7</b>																	
06/15/98	--	--	--	ND	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/13/01	--	--	ND	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/19/01	--	--	ND<2.0	--	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
06/12/02	--	--	ND<2.0	--	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
<b>U-8</b>																	
06/15/98	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

**Table 3 c**  
**ADDITIONAL ANALYTICAL RESULTS**  
**76 Station 3312**

Date Sampled	1,2-Dichloro-benzene (µg/l)	Dichloro-difluoromethane (µg/l)	EDB (Total)	Lead DO	Pre-Purge Post Purge DO	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Zinc	Ethanol 8260B	Nickel	Cadmium	Chromium (mg/l)	
<b>U-8 continued</b>															
09/19/01	--	--	ND<2.0	--	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<500	--	--	--	--	--
12/19/01	--	--	ND<2.0	--	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<500	--	--	--	--	--
06/12/02	--	--	ND<2.0	--	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<500	--	--	--	--	--
<b>U-9</b>															
06/15/98	--	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--	--
06/12/02	--	--	ND<2.0	--	--	--	2.7	ND<2.0	ND<2.0	ND<2.0	ND<500	--	--	--	--
12/11/02	--	--	ND<2.0	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<400	--	--	--	--
06/17/03	--	--	ND<2.0	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--	--	--
<b>U-10</b>															
06/15/98	--	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--	--
<b>U-11</b>															
06/15/98	--	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--	--
03/13/02	--	--	ND<2.0	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--	--	--
03/17/03	--	--	ND<2.0	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--	--	--
<b>WSW-700</b>															
09/23/98	--	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--	--
12/28/98	--	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--	--
03/19/99	--	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--	--
06/21/99	--	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--	--
09/30/99	--	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--	--
12/20/99	--	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--	--
03/17/00	--	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--	--
06/22/00	--	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--	--
10/10/00	--	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--	--
12/14/00	--	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--	--

**Table 3 c**  
**ADDITIONAL ANALYTICAL RESULTS**  
**76 Station 3312**

Date Sampled	1,2-Dichloro-benzene (µg/l)	Dichloro-difluoromethane (µg/l)	EDB (Total)	Lead (Total)	Pre-Purge DO	Post Purge DO	TAME 8260B	TBA 8260B	DIPPE 8260B	Zinc	Ethanol 8260B	Nickel (mg/l)	Cadmium (mg/l)	Chromium (mg/l)
<b>WSW-700 continued</b>														
03/14/01	--	--	ND	--	--	--	ND	ND	ND	ND	ND	--	--	--
06/13/01	--	--	ND	--	--	--	ND	ND	ND	ND	ND	--	--	--
09/19/01	--	--	ND<2.0	--	--	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<500	--	--	--
12/19/01	--	--	ND<2.0	--	--	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<500	--	--	--
03/13/02	--	--	ND<2.0	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--	--
06/12/02	--	--	ND<2.0	--	--	--	ND<2.0	ND<20	ND<2.0	ND<2.0	ND<500	--	--	--
09/11/02	--	--	ND<0.50	--	--	--	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<50	--	--	--
12/11/02	--	--	ND<2.0	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--	--
03/17/03	--	--	ND<2.0	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--	--
06/17/03	--	--	ND<2.0	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--	--
09/15/03	--	--	ND<2.0	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--	--
03/16/04	--	--	ND<2.0	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--	--
06/14/04	--	--	ND<0.50	--	--	--	ND<0.50	7.7	ND<1.0	ND<0.50	ND<50	--	--	--
03/10/05	--	--	ND<0.50	--	--	--	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<50	--	--	--
06/07/05	--	--	ND<0.50	--	--	--	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<50	--	--	--
09/06/05	--	--	ND<0.50	--	--	--	ND<0.50	ND<10	ND<0.50	ND<0.50	ND<1000	--	--	--
<b>WSW-724</b>			--	--	--	--	--	ND	ND	ND	ND	--	--	--
06/15/98	--	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
<b>WSW-725</b>			--	--	--	--	--	ND	ND	ND	ND	--	--	--
06/15/98	--	--	ND	--	--	--	ND	ND	ND	ND	ND	--	--	--
06/13/01	--	--	ND<2.0	--	--	--	ND<2.0	ND<20	ND<2.0	ND<2.0	ND<500	--	--	--
09/19/01	--	--	ND<2.0	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--	--
12/11/02	--	--	ND<0.5	--	--	--	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<500	--	--	--
12/15/03	--	--	ND<0.50	--	--	--	ND<0.50	7.6	ND<1.0	ND<0.50	ND<50	--	--	--
09/14/04	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 3 d  
ADDITIONAL ANALYTICAL RESULTS  
76 Station 3312

Date Sampled	TOG	(mg/l)
U-6		
11/11/92	ND	
01/14/93	ND	
06/22/93	ND	
08/27/93	ND	
12/16/93	ND	

# COORDINATED EVENT DATA

**TABLE 1**  
**GROUNDWATER LEVEL DATA**  
**FORMER CLOUDBURST CAR WASH**  
**1322 FOURTH STREET**  
**SANTA ROSA, CALIFORNIA**

Monitoring Well	Date	Reference Elevation <sup>1</sup> (ft.)	Measured Depth to Groundwater <sup>1</sup> (ft.)	Depth to LNAPL <sup>1</sup> (ft.)	Groundwater Elevation (ft.)	Thickness of LNAPL (ft.)	Notes
MW-1	09/10/91	180 33 <sup>2</sup>	24.29	--	156 04	--	
	02/05/92		22.82	22 81	157 52*	0.01	
	05/29/92		21 69	21 66	158 66*	0.03	
	08/27/92		---	---	---	---	LNAPL; skimmer installed
	10/28/92		24.23	24 22	156 11*	0.01	skimmer installed
	11/12/92		23 49	23 48	156 86*	0.01	skimmer installed
	12/14/92		20 59	20 58	159 76*	0.01	skimmer installed
	01/06/93		19 90	---	160 44	---	skimmer installed
	02/10/93		18 82	---	161 52	---	skimmer installed
	03/10/93		17 44	17 43	162 90*	0.01	skimmer installed
	04/26/93		19 45	19 37	160 95*	0.08	skimmer installed
	05/19/93		20 56	20 51	159 81*	0.05	skimmer installed
	06/25/93		21 43	21 32	158 99*	0.11	skimmer installed
	07/19/93		21 89	21 76	158 55*	0.13	skimmer installed
	08/27/93		23 24	23 12	157 19*	0.12	skimmer installed
	10/26/93		23 03	22 98	157 35*	0.05	skimmer installed
	11/23/93		23 59	23 46	156 85*	0.13	skimmer installed
	12/28/93		21 43	21 42	158 92*	0.01	skimmer installed
	01/28/94		20 80	---	159 54	---	skimmer installed
	02/23/94		19 06	19 05	161 29*	0.01	skimmer installed
	03/10/94		21 48	21 47	158 87*	0.01	skimmer installed
	04/08/94		21 36	21 34	159 00*	0.02	
	05/11/94		21 76	---	158 58	---	
	06/09/94		22 46	---	157 88	---	
	09/14/94		24 04	24 02	156 32*	0.02	
	10/26/94		24 02	24 01	156 33*	0.01	
	11/21/94		21 90	---	158 44	---	
	12/06/94		21 40	---	158 94	---	
	03/09/95	180 59 <sup>4</sup>	14 78	---	165 56	---	
	06/13/95		19 21	19 20	161 14*	0.01	
	09/14/95		22 83	---	157 76	---	
	03/26/96		16 36	---	164 23	---	
	06/24/96		20 10	---	160 49	---	
	12/26/96		---	---	---	---	Under water
	06/24/97		21 90	---	158 69	---	
	12/16/97		19 10	---	161 49	---	
	06/15/98		18 69	---	161 90	---	
	01/06/99		21 41	---	159 18	---	
MW-1	07/12/99		21 57	---	159 02	---	
	12/20/99		22 63	---	157 60	---	
	12/14/00		22 82	---	157 77	---	
	03/14/01		19 04	---	161 55	---	
	06/12/02		22 37	22 34	158 24*	0.03	
	09/11/02		23 97	23 85	156 71*	0.12	
	12/11/02		23 43	23 40	157 18*	0.03	
	03/17/03		18 98	18 93	161 65*	0.05	
	06/17/03		19 81	19 80	160 79*	0.01	
	09/15/03		23 80	---	156 79	---	Sheen, Strong Odor
MW-1	12/15/03	180 58	21 65	---	158 94	---	Sheen
	03/16/04		19 83	19 82	160 76	0.01	
	06/14/04		22 94	---	157 65	---	Sheen, Strong Odor
	09/14/04		24 25	---	156 33	---	Sheen, Strong Odor
	12/14/04		21 25	---	159 33	---	Sheen, Strong Odor
	03/01/05		18 70	---	161 88	---	sheen
MW-1	06/07/05		19 60	---	160 98	---	sheen
	09/06/05		22.58	---	158.00	---	sheen

**TABLE 1**  
**GROUNDWATER LEVEL DATA**  
**FORMER CLOUDBURST CAR WASH**  
**1322 FOURTH STREET**  
**SANTA ROSA, CALIFORNIA**

Monitoring Well	Date	Reference Elevation <sup>1</sup> (ft.)	Measured Depth to Groundwater <sup>1</sup> (ft.)	Depth to LNAPL <sup>1</sup> (ft.)	Groundwater Elevation (ft.)	Thickness of LNAPL (ft.)	Notes
MW-2	09/10/91	180 81 <sup>2</sup>	24.4	--	156.41	--	
	02/05/92		22.92	--	157.89	--	
	05/29/92		21.84	21.54	159.20*	0.3	
	08/27/92		--	--	--	--	LNAPL; skimmer installed
	10/28/92		24.70	24.68	156.13*	0.02	skimmer installed
	11/12/92		25.18	23.50	156.93*	1.68	skimmer installed
	12/14/92		21.06	20.17	160.46*	0.89	skimmer installed
	01/06/93		19.56	19.55	161.30*	0.01	skimmer installed
	02/10/93		18.64	18.63	162.22*	0.01	skimmer installed
	03/10/93		16.87	16.86	163.99*	0.01	skimmer installed
	04/26/93		19.78	19.68	161.14*	0.10	skimmer installed
	05/19/93		21.10	20.86	159.93*	0.24	skimmer installed
	06/25/93		21.86	21.53	159.24*	0.33	skimmer installed
	07/19/93		22.33	22.25	158.58*	0.08	skimmer installed
	08/27/93		22.95	22.93	157.92*	0.02	skimmer installed
	10/26/93		22.54	22.53	158.32*	0.01	skimmer installed
	11/23/93		23.15	23.14	157.71*	0.01	skimmer installed
	12/28/93		20.99	20.98	159.87*	0.01	skimmer installed
	01/28/94		20.76	--	160.09	--	skimmer installed
	02/23/94		18.62	18.61	162.24*	0.02	skimmer installed
	03/10/94		21.04	21.03	159.82*	0.01	skimmer installed
	04/08/94		21.60	21.57	159.27*	0.03	
	05/11/94		21.45	--	159.40	--	
	06/09/94		22.13	--	158.72	--	
	09/14/94		23.81	23.78	157.06*	0.03	
	10/26/94		23.54	23.43	157.39*	0.11	
	11/21/94		21.43	--	159.42	--	
	12/06/94		20.12	20.11	160.74*	0.01	
	03/09/95	181.12 <sup>4</sup>	14.85	--	166.00	--	
	06/13/95		19.15	--	161.70	--	
	09/14/95		21.98	--	159.14	--	
	03/26/96		16.34	--	164.78	--	
	06/24/96		19.36	--	161.76	--	
	12/26/96		--	--	--	--	Not Located
	06/24/97		--	--	--	--	Not Located
	12/16/97		--	--	--	--	Not Located
	06/15/98		--	--	--	--	Not Located
	01/06/99		--	--	--	--	Not Located
	07/12/99		--	--	--	--	Damaged
	12/20/99		--	--	--	--	Damaged
	12/14/00		--	--	--	--	Destroyed 2/9/00

**TABLE 1**  
**GROUNDWATER LEVEL DATA**  
**FORMER CLOUDBURST CAR WASH**  
**1322 FOURTH STREET**  
**SANTA ROSA, CALIFORNIA**

Monitoring Well	Date	Reference Elevation <sup>1</sup> (ft.)	Measured Depth to Groundwater <sup>1</sup> (ft.)	Depth to LNAPL <sup>1</sup> (ft.)	Groundwater Elevation (ft.)	Thickness of LNAPL (ft.)	Notes
MW-3	09/10/91	180 83 <sup>2</sup>	24.32	--	156.51	--	
	02/05/92		23.11	--	157.72	--	
	05/29/92		21.72	21.71	159.12*	0.01	
	08/27/92		--	--	--	--	LNAPL; skimmer installed
	10/28/92		26.45	24.08	156.16*	2.37	skimmer installed
	11/12/92		25.24	23.09	157.19*	2.15	skimmer installed
	12/14/92		21.34	20.56	160.07*	0.78	skimmer installed
	01/06/93		19.56	19.55	161.27*	0.01	skimmer installed
	02/10/93		19.39	19.38	161.43*	0.01	skimmer installed
	03/10/93		17.53	17.52	163.30*	0.01	skimmer installed
	04/26/93		20.17	20.16	160.66*	0.01	skimmer installed
	05/19/93		21.12	21.10	159.70*	0.02	skimmer installed
	06/25/93		22.05	21.98	158.82*	0.07	skimmer installed
	07/19/93		22.50	22.43	158.37*	0.07	skimmer installed
	08/27/93		23.20	23.18	157.63*	0.02	skimmer installed
	10/26/93		22.95	22.77	158.01*	0.18	skimmer installed
	11/23/93		23.61	23.28	157.46*	0.33	skimmer installed
	12/28/93		21.29	21.27	159.54*	0.02	skimmer installed
	01/28/94		20.90	--	159.92	--	skimmer installed
	02/23/94		19.86	--	160.96	--	skimmer installed
	03/10/94		--	--	--	--	skimmer installed
	04/08/94		21.54	21.52	159.30*	0.02	
	05/11/94		21.67	--	159.15	--	
	06/09/94		22.39	--	158.43	--	
	09/14/94		24.40	23.75	156.91*	0.65	
	10/26/94		23.44	22.72	157.92*	0.72	
	11/21/94		21.50	--	159.32	--	
	12/06/94		21.10	20.59	160.10*	0.51	
	03/09/95		15.57	15.17	165.55*	0.40	
	06/13/95		20.24	19.92	160.82*	0.32	
	09/14/95	180.85 <sup>4</sup>	22.25	--	158.60	--	
	03/26/96		16.36	16.35	164.50*	0.01	
	06/24/96		19.81	--	161.04	--	
	12/26/96		17.94	17.88	162.96*	0.06	
	06/24/97		21.23	--	159.62	--	
	12/16/97		19.02	18.89	161.93*	0.13	
	06/15/98		19.36	19.30	161.54*	0.06	
	01/06/99		21.69	21.67	159.18*	0.02	
	07/12/99		21.67	--	159.18	--	
	12/20/99		22.71	--	158.14	--	
	12/14/00		23.23	23.22	157.63*	0.01	
	03/14/01		18.82	18.78	162.06*	0.04	
	06/12/02		22.28	22.22	158.62*	0.06	
	09/11/02		23.70	23.67	157.17*	0.03	
	12/11/02		22.88	22.84	158.00*	0.04	
	03/17/03		18.42	18.39	162.45*	0.03	
	06/17/03		19.36	19.35	161.50*	0.01	
	09/15/03		23.40	23.39	157.46*	0.01	
	12/15/03		21.22	21.20	159.65*	0.02	
	03/16/04		18.18	18.16	162.67	0.02	
	06/14/04		22.40	--	158.45	--	sheen, odor
	09/14/04		23.72	--	157.10	--	sheen
	12/14/04		20.55	--	160.27	--	Heavy sheen, odor
	03/01/05		17.55	--	163.27	--	sheen
	06/07/05		19.25	--	161.57	--	sheen
	09/06/05		22.58	--	158.24	--	sheen

**TABLE 1**  
**GROUNDWATER LEVEL DATA**  
**FORMER CLOUDBURST CAR WASH**  
**1322 FOURTH STREET**  
**SANTA ROSA, CALIFORNIA**

Monitoring Well	Date	Reference Elevation <sup>1</sup> (ft.)	Measured Depth to Groundwater <sup>1</sup> (ft.)	Depth to LNAPL <sup>1</sup> (ft.)	Groundwater Elevation (ft.)	Thickness of LNAPL (ft.)	Notes
MW-4	05/29/92	181.93 <sup>2</sup>  181.94 <sup>3</sup>  181.93 <sup>4</sup>	22.23	--	159.70	--	
	08/27/92		23.97	--	157.96	--	
	10/28/92		24.16	24.14	157.79*	0.02	
	11/12/92		23.22	23.21	158.73*	0.01	
	12/14/92		20.89	--	161.05	--	
	01/06/93		20.31	--	161.63	--	
	02/10/93		18.70	--	163.24	--	
	03/10/93		18.20	--	163.74	--	
	04/26/93		20.84	--	161.10	--	
	05/19/93		21.75	--	160.19	--	
	06/25/93		--	--	--	--	
	07/19/93		22.65	--	159.29	--	
	08/27/93		23.43	--	158.51	--	
	10/26/93		23.29	--	158.65	--	
	11/23/93		23.89	--	158.05	--	
	12/28/93		22.12	--	159.82	--	
	01/28/94		21.16	--	160.78	--	
	02/23/94		19.60	--	162.34	--	
	03/10/94		20.56	--	161.38	--	
	04/08/94		22.10	--	159.84	--	
	05/11/94		22.17	--	159.77	--	
	06/09/04		22.91	--	159.03	--	
	09/14/94		24.25	--	157.69	--	
	10/26/94		24.12	--	157.82	--	
	11/21/94		22.35	--	159.59	--	
	12/06/94		21.37	--	160.57	--	
	03/09/95		15.64	--	166.30	--	
	06/13/95		20.73	--	161.21	--	
	09/14/95		23.14	--	158.79	--	
	03/26/96		17.38	--	164.55	--	
	06/24/96		21.03	--	160.90	--	
	12/26/96		19.01	--	162.92	--	
	06/24/97		22.56	--	159.37	--	
	12/16/97		19.67	--	162.26	--	
	06/15/98		19.88	--	162.05	--	
	01/06/99		22.21	--	159.72	--	
	07/12/99		22.35	--	159.58	--	
	12/20/99		22.94	--	158.99	--	
	12/14/00		--	--	--	--	Destroyed 2/9/00

**TABLE 1**  
**GROUNDWATER LEVEL DATA**  
**FORMER CLOUDBURST CAR WASH**  
**1322 FOURTH STREET**  
**SANTA ROSA, CALIFORNIA**

Monitoring Well	Date	Reference Elevation <sup>1</sup> (ft.)	Measured Depth to Groundwater <sup>1</sup> (ft.)	Depth to LNAPL <sup>1</sup> (ft.)	Groundwater Elevation (ft.)	Thickness of LNAPL (ft.)	Notes
MW-5	05/29/92	182.33 <sup>2</sup>  182.31 <sup>3</sup>  182.19 <sup>4</sup>	22.17	--	160.16	--	
	08/27/92		---	---	---	---	LNAPL; skimmer installed
	10/28/92		24.79	24.10	158.23*	0.69	skimmer installed
	11/12/92		23.42	22.86	159.31*	0.56	skimmer installed
	12/14/92		20.79	20.56	161.69*	0.23	skimmer installed
	01/06/93		20.16	20.15	162.15*	0.01	skimmer installed
	02/10/93		18.82	18.81	163.49*	0.01	skimmer installed
	03/10/93		18.23	18.22	164.09*	0.01	skimmer installed
	04/26/93		21.03	21.02	161.29*	0.01	skimmer installed
	05/19/93		21.82	21.77	160.53*	0.05	skimmer installed
	06/25/93		22.06	---	160.25	---	skimmer installed
	07/19/93		22.65	22.64	159.67*	0.01	skimmer installed
	08/27/93		---	---	---	---	skimmer installed
	10/26/93		23.61	23.31	158.93*	0.30	skimmer installed
	11/23/93		24.56	23.80	158.32*	0.76	skimmer installed
	12/28/93		22.43	21.94	160.25*	0.49	skimmer installed
	01/28/94		20.87	---	161.44	---	skimmer installed
	02/23/94		19.37	19.32	162.98*	0.01	skimmer installed
	03/10/94		20.74	20.73	161.58*	0.01	skimmer installed
	04/08/94		21.99	21.97	160.34*	0.02	
	05/11/94		21.98	---	160.33	---	
	06/09/94		22.79	---	159.52	---	
	09/14/94		23.99	23.97	158.34*	0.02	
	10/26/94		24.56	23.74	158.37*	0.82	
	11/21/94		21.94	---	160.37	---	
	12/06/94		21.00	20.97	161.33*	0.03	
	03/09/95		15.80	---	166.51	---	
	06/13/95		20.57	20.56	161.75*	0.01	
	09/14/95		22.94	22.93	159.26*	0.01	
	03/26/96		17.80	---	164.39	---	
	06/24/96		20.83	---	161.36	---	
	12/26/96		19.11	---	163.08	---	
	06/24/97		---	---	---	---	Not Located
	12/16/97		---	---	---	---	Not Located
	06/15/98		---	---	---	---	Not Located
	01/06/99		---	---	---	---	Not Located
	07/13/99		22.25	---	159.94	---	
	12/20/99		22.86	---	159.33	---	
	12/14/00		---	---	---	---	Destroyed 2/9/00

**TABLE 1**  
**GROUNDWATER LEVEL DATA**  
**FORMER CLOUDBURST CAR WASH**  
**1322 FOURTH STREET**  
**SANTA ROSA, CALIFORNIA**

Monitoring Well	Date	Reference Elevation <sup>1</sup> (ft.)	Measured Depth to Groundwater <sup>1</sup> (ft.)	Depth to LNAPL <sup>1</sup> (ft.)	Groundwater Elevation (ft.)	Thickness of LNAPL (ft.)	Notes
MW-6	05/29/92	181 07 <sup>2</sup>	21.81	--	159.26	--	
	08/27/92		23.84	--	157.23	--	skimmer installed
	10/28/92		25.15	23.44	157.20*	1.71	skimmer installed
	11/12/92		24.94	22.53	157.94*	2.41	skimmer installed
	12/14/92		22.42	20.34	160.21	2.08	skimmer installed
	01/06/93		20.72	20.10	160.82	0.62	skimmer installed
	02/10/93		18.42	18.12	162.88	0.30	skimmer installed
	03/10/93		17.37	17.36	163.71*	0.01	skimmer installed
	04/26/93		20.44	20.30	160.73*	0.14	skimmer installed
	05/19/93		21.36	21.12	159.89*	0.24	skimmer installed
	06/25/93		22.43	22.08	158.90*	0.35	skimmer installed
	07/19/93		22.54	22.53	158.54*	0.01	skimmer installed
	08/27/93		23.44	23.41	157.65*	0.03	skimmer installed
	10/26/93		23.11	23.10	157.97*	0.01	skimmer installed
	11/23/93		25.54	25.53	155.54*	0.01	skimmer installed
	12/28/93		21.47	21.29	159.73*	0.18	skimmer installed
	01/28/94		20.37	20.23	160.81*	0.14	skimmer installed
	02/23/94		18.33	18.30	162.76*	0.01	skimmer installed
	03/10/94		20.75	20.74	160.33*	0.01	skimmer installed
	04/08/94		21.48	21.42	159.64*	0.06	skimmer installed
	05/11/94		21.77	21.72	159.34*	0.05	
	06/09/94		22.60	22.50	158.55*	0.10	
	09/14/94		23.68	23.65	157.41*	0.03	
	10/26/94		23.72	23.61	157.43*	0.11	
	11/21/94		21.56	21.54	159.53*	0.02	
	12/06/94		20.23	20.21	160.86*	0.02	
	03/09/95	181 05 <sup>4</sup>	15.20	--	165.87	--	
	06/13/95		20.12	--	160.95	--	
	09/14/95		22.68	22.67	158.38*	0.01	
	03/26/96		16.46	--	164.59	--	
	06/24/96		19.99	--	161.06	--	
	12/26/96		18.46	18.45	162.60*	0.01	
	06/24/97		22.17	--	158.88	--	
	12/16/97		18.89	18.88	162.17*	0.01	
	06/15/98		19.14	--	161.91	--	
	01/06/99		21.58	--	159.47	--	
	07/12/99		21.79	--	159.26	--	
	12/20/99		22.38	--	158.67	--	
	12/14/00		22.37	--	158.68	--	
	03/14/01		18.61	--	162.44	--	
	06/12/02		19.67	19.28	161.67*	0.39	
	09/11/02		23.61	23.60	157.45*	0.01	
	12/11/02		23.18	--	157.87	--	
	03/17/03		18.81	--	162.24	--	
	06/17/03		19.21	--	161.84	--	
	09/15/03		23.51	--	157.54	--	
	12/15/03		21.35	--	159.70	--	Sheen
	03/16/04		18.36	--	162.69	--	
	06/14/04		22.78	--	158.27	--	sheen, odor
	09/14/04		24.10	--	156.96	--	sheen
	12/14/04		21.52	--	159.54	--	Sheen, Strong Odor
	03/01/05		18.40	--	162.66	--	sheen
	06/07/05		19.84	--	161.22	--	sheen
	09/06/05		22.96	--	158.10	--	sheen

**TABLE 1**  
**GROUNDWATER LEVEL DATA**  
**FORMER CLOUDBURST CAR WASH**  
**1322 FOURTH STREET**  
**SANTA ROSA, CALIFORNIA**

Monitoring Well	Date	Reference Elevation <sup>1</sup> (ft.)	Measured Depth to Groundwater <sup>1</sup> (ft.)	Depth to LNAPL <sup>1</sup> (ft.)	Groundwater Elevation (ft.)	Thickness of LNAPL (ft.)	Notes
MW-7	05/29/92	180.16 <sup>2</sup>  180.14 <sup>3</sup>  180.13 <sup>4</sup>  180.13	21.45	—	158.71	—	
	08/27/92		23.38	—	156.78	—	skimmer in place
	10/28/92		23.62	—	156.54	—	skimmer in place
	11/12/92		22.57	—	157.57	—	skimmer in place
	12/14/92		19.55	—	160.59	—	skimmer in place
	01/06/93		18.81	—	161.33	—	skimmer in place
	02/10/93		17.55	15.15	164.40	2.40	skimmer in place
	03/10/93		16.18	14.32	165.36*	1.86	skimmer in place
	04/26/93		20.25	17.80	161.73*	2.45	skimmer in place
	05/19/93		20.91	19.97	159.94*	0.94	skimmer in place
	06/25/93		21.47	20.55	159.36*	0.92	skimmer in place
	07/19/93		21.90	21.56	158.50*	0.34	skimmer in place
	08/27/93		22.43	22.41	157.73*	0.02	skimmer in place
	10/26/93		22.07	22.06	158.08*	0.01	skimmer in place
	11/23/93		22.69	—	157.45	—	skimmer in place
	12/28/93		19.89	—	160.25	—	skimmer in place
	01/28/94		18.83	—	161.31	—	skimmer in place
	02/23/94		17.11	—	163.03	—	skimmer in place
	03/10/94		18.72	—	161.42	—	skimmer in place
	04/08/94		20.45	19.89	160.11*	0.56	
	05/11/94		20.89	20.34	159.66*	0.55	
	06/09/94		21.62	21.12	158.90*	0.50	
	09/14/94		22.97	22.72	157.36*	0.25	
	10/26/94		22.71	22.53	157.57*	0.18	
	11/21/94		—	—	—	—	
	12/06/94		20.06	20.05	160.09*	0.01	
	03/09/95		13.86	—	166.28	—	
	06/13/95		19.55	19.32	160.76*	0.23	
	09/14/95		22.25	21.90	158.14*	0.35	
	03/26/96		14.62	—	165.51	—	
	06/24/99		18.26	18.10	161.99*	0.16	
	12/26/96		16.53	16.52	163.61*	0.01	
	06/24/97		—	—	—	—	Not accessible
	12/16/97		16.89	16.86	163.27*	0.03	
	06/15/98		16.69	16.52	163.57*	0.17	
	01/06/99		19.54	19.38	160.71*	0.16	
	07/12/99		—	—	—	—	
	12/20/99		20.46	—	159.67	—	
	12/14/00		19.99	19.92	160.19*	0.07	
	03/14/01		15.41	—	164.72	—	
	06/12/02		—	—	—	—	
	09/11/02		21.55	21.17	158.87*	0.38	
	12/11/02		21.02	20.84	159.25*	0.18	
	03/17/03		17.70	17.59	162.51*	0.11	
	06/17/03		19.20	19.16	160.96*	0.04	
	09/15/03		20.85	20.82	159.30*	0.03	
	12/15/03		18.33	18.32	161.81*	0.01	
	03/16/04		15.43	15.40	164.70	0.03	
	06/14/04		19.80	19.61	160.48*	0.19	
	09/14/04		21.66	21.54	158.56*	0.12	
	12/14/04		18.60	—	161.53	—	strong odor
	03/01/05		15.28	—	164.85	—	sheen
	06/07/05		16.72	—	163.41	—	sheen
	09/06/05		19.54	19.51	160.61*	0.03	

**TABLE 1**  
**GROUNDWATER LEVEL DATA**  
**FORMER CLOUDBURST CAR WASH**  
**1322 FOURTH STREET**  
**SANTA ROSA, CALIFORNIA**

Monitoring Well	Date	Reference Elevation <sup>1</sup> (ft.)	Measured Depth to Groundwater <sup>1</sup> (ft.)	Depth to LNAPL <sup>1</sup> (ft.)	Groundwater Elevation (ft.)	Thickness of LNAPL (ft.)	Notes
MW-8	05/29/92	179 64 <sup>2</sup>	18.64	--	161	--	
	08/27/92		21.12	--	158.52	--	
	10/28/92		21.79	--	157.85	--	
	11/12/92		20.67	--	158.96	--	
	12/14/92		17.84	--	161.79	--	
	01/06/93		---	--	---	--	
	02/10/93		15.07	--	164.56	--	
	03/10/93		14.45	--	165.18	--	
	04/26/93		16.99	--	162.64	--	
	05/19/93		18.63	--	161.00	--	
	06/25/93		---	--	---	--	
	07/19/93		19.79	--	159.84	--	
	08/27/93		20.39	--	159.24	--	
	10/26/93		20.73	--	158.90	--	
	11/23/93		21.37	--	158.26	--	
	12/28/93		19.27	--	160.36	--	
	01/28/94		16.27	--	163.36	--	
	02/23/94		16.44	--	163.19	--	
	03/10/94		18.05	--	161.58	--	
	04/08/94		13.14	--	166.49	--	
	05/11/94		19.33	--	160.30	--	
	06/09/94		20.11	--	159.52	--	
	09/14/94		21.67	--	157.96	--	
	10/26/94		21.77	--	157.86	--	
	11/21/94		18.57	--	161.06	--	
	12/06/94		18.00	--	161.63	--	
	03/09/95	179 62 <sup>4</sup>	14.72	--	164.91	--	
	06/13/95		17.26	--	162.37	--	
	09/14/95		20.45	--	159.17	--	
	03/26/96		13.29	--	166.33	--	
	06/24/96		17.42	--	162.20	--	
	12/26/96		---	--	---	--	Under water
	06/24/97		19.90	--	159.72	--	
	12/16/97		16.46	--	163.16	--	
	06/15/98		16.51	--	163.11	--	
	01/06/99		19.42	--	160.20	--	
	07/12/99		19.49	--	160.13	--	
	12/20/99		20.37	--	159.25	--	
	12/14/00		20.20	--	159.42	--	
	03/14/01		15.98	--	163.64	--	
	06/12/02		19.43	--	160.19	--	
	09/11/02		21.28	--	158.34	--	
	12/11/02		20.50	--	159.12	--	
	03/17/03		14.97	--	164.65	--	
	06/17/03		18.35	--	161.27	--	
	09/15/03		20.80	--	158.82	--	
	12/15/03		18.29	--	161.33	--	
	03/16/04		15.40	--	164.22	--	
	06/14/04		19.75	--	159.87	--	strong odor
	09/14/04		21.54	--	158.10	--	strong odor
	12/14/04		18.38	--	161.26	--	strong odor
	03/01/05		17.14	--	162.50	--	slight odor
	06/07/05		17.88	--	161.76	--	slight odor
	09/06/05		20.01	--	159.63	--	slight odor

**TABLE 1**  
**GROUNDWATER LEVEL DATA**  
**FORMER CLOUDBURST CAR WASH**  
**1322 FOURTH STREET**  
**SANTA ROSA, CALIFORNIA**

Monitoring Well	Date	Reference Elevation <sup>1</sup> (ft.)	Measured Depth to Groundwater <sup>1</sup> (ft.)	Depth to LNAPL <sup>1</sup> (ft.)	Groundwater Elevation (ft.)	Thickness of LNAPL (ft.)	Notes
MW-9	08/27/93	182 37 <sup>2</sup>	23 22	---	159 15	---	
	10/26/93		23 10	---	159 27	---	
	11/23/93		23 66	---	158 71	---	
	12/28/93		22 12	---	160 25	---	
	01/28/94		21 10	---	161 27	---	
	02/23/94		19 89	---	162 48	---	
	03/10/94		21 41	---	160 96	---	
	04/08/94		22 16	---	160 21	---	
	05/11/94		22 07	---	160 30	---	
	06/09/94		22 72	---	159 65	---	
	09/14/94		23 79	---	158 58	---	
	10/26/94		23 74	---	158 63	---	
	11/21/94		---	---	---	---	
	12/06/94		21 30	---	161 07	---	
	03/09/95		17 14	---	165 23	---	
	06/13/95		20 93	---	161 44	---	
	09/14/95	182 36 <sup>4</sup>	22 91	---	159 45	---	
	03/26/96		18 95	---	163 41	---	
	06/24/96		21 33	---	161 03	---	
	12/26/96		19 99	---	162 37	---	
	06/24/97		22 54	---	159 82	---	
	12/16/79		20 25	---	162 11	---	
	06/15/98		---	---	---	---	
	01/06/99		22 39	---	159 97	---	
	07/12/99		22 28	---	160 08	---	
	12/20/99		22 88	---	159 48	---	
	12/14/00		22 88	---	159 48	---	
	03/14/01		20 05	---	162 31	---	
	06/12/02		22 55	---	159 81	---	
	09/11/02		23 61	---	158 75	---	
	12/11/02		23 34	---	159 02	---	
	03/17/03		19 92	---	162 44	---	
	06/17/03		21 95	---	160 41	---	
	09/15/03		23 35	---	159 01	---	
	12/15/03		21 50	---	160 86	---	
	03/16/04		19 71	---	162 65	---	
	06/14/04		22 72	---	159 64	---	
	09/14/04	182 34	23 85	---	158 49	---	
	12/14/04		21 70	---	160 64	---	
	03/01/05		19 41	---	162 93	---	
	06/07/05		20 80	---	161 54	---	
	09/06/05		23 10	---	159 24	---	

**TABLE 1**  
**GROUNDWATER LEVEL DATA**  
**FORMER CLOUDBURST CAR WASH**  
**1322 FOURTH STREET**  
**SANTA ROSA, CALIFORNIA**

Monitoring Well	Date	Reference Elevation <sup>1</sup> (ft.)	Measured Depth to Groundwater <sup>1</sup> (ft.)	Depth to LNAPL <sup>1</sup> (ft.)	Groundwater Elevation (ft.)	Thickness of LNAPL (ft.)	Notes
MW-10	09/14/94	182.83 <sup>2</sup>	25.41	---	157.42	---	
	10/26/94		25.65	---	157.18	---	
	11/21/94		---	---	---	---	
	12/06/94		21.19	---	161.64	---	
	03/09/95		13.03	---	169.80	---	
	06/13/95		21.10	---	161.73	---	
	09/14/95		24.52	---	158.31	---	
	03/26/96		16.58	---	166.25	---	
	06/24/96		21.45	---	161.38	---	
	12/26/96		18.28	---	164.55	---	
	06/24/97		23.52	---	159.31	---	
	12/16/97		18.65	---	164.18	---	
	06/15/98		19.55	---	163.28	---	
	01/06/99		22.39	---	160.44	---	
	07/12/99		22.80	---	160.03	---	
	12/20/99		23.56	---	159.27	---	
	12/14/00		22.04	---	160.79	---	
	03/14/01		17.53	---	165.30	---	
	06/12/02		22.84	---	159.99	---	
	09/11/02		25.10	---	157.73	---	
	12/11/02		23.43	---	159.40	---	
	03/17/03		17.91	---	164.92	---	
	06/17/03		21.24	---	161.59	---	
	09/15/03		24.41	---	158.42	---	
	12/15/03		19.90	---	162.93	---	
	03/16/04		17.01	---	165.82	---	
	06/14/04		22.81	---	160.02	---	
	09/14/04		25.01	---	157.75	---	
	12/14/04		20.81	---	161.95	---	
	03/01/05		16.46	---	166.30	---	
	06/07/05		18.92	---	163.84	---	
	09/06/05		23.35	---	159.41	---	

**TABLE 1**  
**GROUNDWATER LEVEL DATA**  
**FORMER CLOUDBURST CAR WASH**  
**1322 FOURTH STREET**  
**SANTA ROSA, CALIFORNIA**

Monitoring Well	Date	Reference Elevation <sup>1</sup> (ft.)	Measured Depth to Groundwater <sup>1</sup> (ft.)	Depth to LNAPL <sup>1</sup> (ft.)	Groundwater Elevation (ft.)	Thickness of LNAPL (ft.)	Notes
MW-11	09/14/94	179.92 <sup>2</sup>  179.79 <sup>4</sup>  179.77	21.94	---	157.98	---	
	10/26/94		21.98	---	157.94	---	
	11/21/94		---	---	---	---	
	12/06/94		19.28	---	160.64	---	
	03/09/95		15.38	---	164.54	---	
	06/13/95		18.47	---	161.45	---	
	09/14/95		21.05	---	158.74	---	
	03/26/96		15.77	---	164.02	---	
	06/24/96		18.87	---	160.92	---	
	12/26/96		17.78	---	162.01	---	
	06/24/97		20.42	---	159.37	---	
	12/16/97		18.08	---	161.71	---	
	06/15/98		18.08	---	161.71	---	
	01/06/99		20.16	---	159.63	---	
	07/12/99		20.20	---	159.59	---	
	12/20/99		20.90	---	158.89	---	
	12/14/00		20.99	---	158.80	---	
	03/14/01		17.60	---	162.19	---	
	06/12/02		20.29	---	159.50	---	
	09/11/02		21.70	---	158.09	---	
	12/11/02		21.44	---	158.35	---	
	03/17/03		17.41	---	162.38	---	
	06/17/03		19.35	---	160.44	---	
	09/15/03		21.44	---	158.35	---	
	12/15/03		19.56	---	160.23	---	
	03/16/04		16.68	---	163.11	---	
	06/14/04		20.52	---	159.27	---	
	09/14/04		22.08	---	157.69	---	
	12/14/04		19.59	---	160.18	---	
	03/01/05		17.06	---	162.71	---	
	06/07/05		17.95	---	161.82	---	
	09/06/05		20.68	---	159.09	---	

**TABLE 1**  
**GROUNDWATER LEVEL DATA**  
**FORMER CLOUDBURST CAR WASH**  
**1322 FOURTH STREET**  
**SANTA ROSA, CALIFORNIA**

Monitoring Well	Date	Reference Elevation <sup>1</sup> (ft.)	Measured Depth to Groundwater <sup>1</sup> (ft.)	Depth to LNAPL <sup>1</sup> (ft.)	Groundwater Elevation (ft.)	Thickness of LNAPL (ft.)	Notes
MW-12	09/14/94	178 71 <sup>2</sup> 178 67 <sup>4</sup> 179 02	22 15	---	156 56	---	
	10/26/94		22 11	---	156 60	---	
	11/21/94		---	---	---	---	
	12/06/94		19 58	---	159 13	---	
	03/09/95		15 51	---	163 20	---	
	06/13/95		18 21	---	160 50	---	
	09/14/95		20 70	---	157 97	---	
	03/26/96		15 53	---	163 14	---	
	06/24/96		18 67	---	160 00	---	
	12/26/96		16 86	---	161 81	---	
	06/24/97		19 45	---	159 22	---	
	12/16/97		17 60	---	161 07	---	
	06/15/98		17 71	---	160 96	---	
	01/06/99		19 61	---	159 06	---	
	07/12/99		19 71	---	158 96	---	
	12/20/99		20 56	---	158 11	---	
	12/14/00		20 61	---	158 06	---	
	03/14/01		17 25	---	161 42	---	
	06/12/02		19 70	---	158 97	---	
	09/11/02		21 40	---	157 27	---	
	12/11/02		20 99	---	157 68	---	
	03/17/03		16 99	---	161 68	---	
	06/17/03		18 90	---	159 77	---	
	09/15/03		21 17	---	155 50	---	
	12/15/03		19 16	---	159 51	---	
	03/16/04		16 36	---	162 31	---	
	06/14/04		20 00	---	158 67	---	
	09/14/04		21 75	---	157 27	---	
	12/14/04		19 30	---	159 72	---	
	03/01/05		16 69	---	162 33	---	
	06/07/05		17 51	---	161 51	---	
	09/06/05		20 34	---	158 68	---	

**TABLE 1**  
**GROUNDWATER LEVEL DATA**  
**FORMER CLOUDBURST CAR WASH**  
**1322 FOURTH STREET**  
**SANTA ROSA, CALIFORNIA**

Monitoring Well	Date	Reference Elevation <sup>1</sup> (ft.)	Measured Depth to Groundwater <sup>1</sup> (ft.)	Depth to LNAPL <sup>1</sup> (ft.)	Groundwater Elevation (ft.)	Thickness of LNAPL (ft.)	Notes
MW-13	09/14/04	181.90	23.65	---	158.25	---	slight odor
	12/14/04		20.57	---	161.33	---	
	03/01/05		17.70	---	164.20	---	slight odor
	06/07/05		19.15	---	162.75	---	slight odor
	09/06/05		22.30	---	159.60	---	
MW-14	09/14/04	182.18	24.05	---	158.13	---	slight sheen
	12/14/04		21.18	---	161.00	---	
	03/01/05		18.43	---	163.75	---	
	06/07/05		19.90	---	162.28	---	
	09/06/05		22.78	---	159.40	---	

Notes:

1 = Measurement and reference elevation taken from notch/mark on top north side of casing

2 = Elevations surveyed by a state-licensed land surveyor, referenced to City of Santa Rosa Benchmark A-21

3 = Elevations resurveyed by a state-licensed land surveyor, referenced to vertical datum/mean sea level

4 = Elevations resurveyed by a state-licensed land surveyor, referenced to City of Santa Rosa Benchmark A-21

5 = Elevations resurveyed by a state-licensed land surveyor, referenced to the City of Santa Rosa Benchmark A-21

LNAPL = Light Non-Aqueous Phase Liquid

\* = Groundwater elevations calculated using corrected depth to water (CDTW) as shown in SOP 12 in Attachment 1

--- = Not measured/not observed

**TABLE 2**  
**ANALYTICAL RESULTS: GROUNDWATER**  
**CLOUDBURST CAR WASH**  
**1322 FOURTH STREET**  
**SANTA ROSA, CALIFORNIA**  
**(all results in µg/L)**

Monitoring Well	Date Collected	Total Petroleum Hydrocarbons as Gasoline	Aromatic Volatile Organics				MTBE	EDB/ EDC	Notes
			Benzene	Toluene	Ethyl-Benzene	Total Xylenes			
MW-1	9/10/1991	3,500	390	9.7	1.1	360	---	---	
	2/5/1992	---	---	---	---	---	---	---	Contained LNAPL
	5/29/1992	---	---	---	---	---	---	---	Contained LNAPL
	8/27/1992	---	---	---	---	---	---	---	Contained LNAPL
	11/12/1992	---	---	---	---	---	---	---	Contained LNAPL
	2/10/1993	65,000	16,000	17,000	1,500	8,100	---	---	Contained LNAPL
	3/10/1994	---	---	---	---	---	---	---	Contained LNAPL
	6/9/1994	140,000	25,000	12,000	1,900	15,000	1,600	---	Contained LNAPL
	9/14/1994	---	---	---	---	---	---	---	Contained LNAPL
	12/6/1994	29,000	2,600	3,300	270	3,900	---	---	
	3/9/1995	---	---	---	---	---	---	---	
	6/13/1995	---	---	---	---	---	---	---	Contained LNAPL
	9/14/1995	---	---	---	---	---	---	---	
	3/26/1996	110,000	14,000	21,000	2,200	16,000	---	---	
	6/24/1996	---	---	---	---	---	---	---	
	12/26/1996	---	---	---	---	---	---	---	
	6/24/1997	---	---	---	---	---	---	---	
	12/16/1997	67,000	10,000	6,300	1,800	9,300	---	---	
	6/15/1998	---	---	---	---	---	---	---	
	1/6/1999	Sheen	---	---	---	---	---	---	
	7/12/1999	54,200	11,600	825	2,200	7,160	4,910	---	
	12/20/1999	---	---	---	---	---	---	---	
	12/14/2000	53,000	14,000	620	1,700	5,400	4,600	ND< 100	
	3/14/2001	41,000	7,700	460	1,800	5,000	2,900	ND< 5.0	
	6/12/2002	---	---	---	---	---	---	---	Contained LNAPL
	9/11/2002	---	---	---	---	---	---	---	Contained LNAPL
	12/11/2002	---	---	---	---	---	---	---	Contained LNAPL
	3/17/2003	---	---	---	---	---	---	---	Contained LNAPL
	6/17/2003	---	---	---	---	---	---	---	Contained LNAPL
	9/15/2003	27,000	6,100	96	1,500	1,700	1,500	<50	Sheen, Strong Odor
	12/15/2003	22,000	5,800	140	2,100	2,000	1,200	<250	Sheen
	3/16/2004	---	---	---	---	---	---	---	Contained LNAPL
	6/14/2004	22,000	5,200	63	2,100	1,500	1,400	<40	Sheen, Strong Odor
	9/14/2004	21,000	4,700	57	1,400	260	1,800	<20	Sheen, Strong Odor
	12/14/2004	17,000	3,600	140	2,100	2,000	400	<0.5	Sheen, Strong Odor
	3/1/2005	16,000	2,000	73	1,400	1,500	320	<10	sheen
	6/7/2005	15,000	1,700	110	1,500	1,800	760	<5	sheen
	9/6/2005	25,000	4,400	140	2,600	2,000	280	<5	sheen

**TABLE 2**  
**ANALYTICAL RESULTS: GROUNDWATER**  
**CLOUDBURST CAR WASH**  
**1322 FOURTH STREET**  
**SANTA ROSA, CALIFORNIA**  
**(all results in µg/L)**

Monitoring Well	Date Collected	Total Petroleum Hydrocarbons as Gasoline	Aromatic Volatile Organics				MTBE	EDB/ EDC	Notes
			Benzene	Toluene	Ethyl-Benzene	Total Xylenes			
MW-2	9/10/1991	43,000	21,000	3,600	1,300	4,100	---	---	Contained LNAPL
	2/5/1992	53,000	16,000	4,400	1,600	3,700	---	---	
	5/29/1992	---	---	---	---	---	---	---	Contained LNAPL
	8/27/1992	---	---	---	---	---	---	---	Contained LNAPL
	11/12/1992	---	---	---	---	---	---	---	Contained LNAPL
	2/10/1993	---	---	---	---	---	---	---	Contained LNAPL
	3/10/1994	---	---	---	---	---	---	---	Contained LNAPL
	6/9/1994	240,000	36,000	25,000	3,400	17,000	1,800	---	Contained LNAPL
	9/14/1994	---	---	---	---	---	---	---	
	12/6/1994	---	---	---	---	---	---	---	Contained LNAPL
	3/9/1995	---	---	---	---	---	---	---	---
	6/13/1995	---	---	---	---	---	---	---	---
	9/14/1995	---	---	---	---	---	---	---	---
	3/26/1996	650,000	78,000	17,000	7,500	65,000	---	---	Not Located
	6/24/1996	---	---	---	---	---	---	---	
	12/26/1996	---	---	---	---	---	---	---	
	6/24/1997	---	---	---	---	---	---	---	
	12/16/1997	---	---	---	---	---	---	---	
	6/15/1998	---	---	---	---	---	---	---	
	1/6/1999	---	---	---	---	---	---	---	Not Located
	7/12/1999	---	---	---	---	---	---	---	Found Damaged
	12/20/1999	---	---	---	---	---	---	---	Damaged
	12/14/2000	---	---	---	---	---	---	---	Destroyed 2/9/00

**TABLE 2**  
**ANALYTICAL RESULTS: GROUNDWATER**  
**CLOUDBURST CAR WASH**  
**1322 FOURTH STREET**  
**SANTA ROSA, CALIFORNIA**  
(all results in  $\mu\text{g/L}$ )

Monitoring Well	Date Collected	Total Petroleum Hydrocarbons as Gasoline	Aromatic Volatile Organics				MTBE	EDB/ EDC	Notes
			Benzene	Toluene	Ethyl-Benzenes	Total Xylenes			
MW-3	9/10/1991	13,000	7,000	9,140	10	690	---	---	Contained LNAPL
	2/5/1992	59,000	18,000	4,700	1,800	7,800	---	---	
	5/29/1992	---	---	---	---	---	---	---	
	8/27/1992	---	---	---	---	---	---	---	
	11/12/1992	---	---	---	---	---	---	---	
	2/10/1993	---	---	---	---	---	---	---	
	3/10/1994	---	---	---	---	---	---	---	
	6/9/1994	82,000	18,000	4,800	1,800	6,400	< 500	---	
	9/14/1994	---	---	---	---	---	---	---	
	12/6/1994	---	---	---	---	---	---	---	
	3/9/1995	---	---	---	---	---	---	---	
	6/13/1995	---	---	---	---	---	---	---	
	9/14/1995	---	---	---	---	---	---	---	
	3/26/1996	---	---	---	---	---	---	---	
	6/24/1996	---	---	---	---	---	---	---	
	12/26/1996	---	---	---	---	---	---	---	
	6/24/1997	---	---	---	---	---	---	---	
	12/16/1997	---	---	---	---	---	---	---	
	6/15/1998	---	---	---	---	---	---	---	
	1/6/1999	---	---	---	---	---	---	---	
	7/12/1999	85,600	< 100	558	2,400	4,860	1,700	---	
	12/20/1999	---	---	---	---	---	---	---	
	12/14/2000	59,000	5,200	290	1,400	3,100	990	<25	Contained LNAPL
	3/14/2001	35,000	3,800	270	1,300	3,100	930	<5.0	Contained LNAPL
	6/12/2002	---	---	---	---	---	---	---	Contained LNAPL
	9/11/2002	---	---	---	---	---	---	---	Contained LNAPL
	12/11/2002	---	---	---	---	---	---	---	Contained LNAPL
	3/17/2003	---	---	---	---	---	---	---	Contained LNAPL
	6/17/2003	---	---	---	---	---	---	---	Contained LNAPL
	9/15/2003	---	---	---	---	---	---	---	Contained LNAPL
	12/15/2003	---	---	---	---	---	---	---	Contained LNAPL
	3/16/2004	---	---	---	---	---	---	---	Contained LNAPL
	6/14/2004	7,700	1,200	25	290	61	180	<2.5	sheen, odor
	9/14/2004	590	510	<0.5	12	2.8	100	<0.5	sheen
	12/14/2004	4,200	620	39	470	64	55	<0.5	Heavy sheen, odor
	3/1/2005	16,000	<50	120	94	190	<0.5	<0.5	sheen
	6/7/2005	1,900	81	26	68	30	2.2	<0.5	sheen
	9/6/2005	11,000	2,400	57	750	990	160	TAME = 7.6	sheen

**TABLE 2**  
**ANALYTICAL RESULTS: GROUNDWATER**  
**CLOUDBURST CAR WASH**  
**1322 FOURTH STREET**  
**SANTA ROSA, CALIFORNIA**  
(all results in µg/L)

Monitoring Well	Date Collected	Total Petroleum Hydrocarbons as Gasoline	Aromatic Volatile Organics				MTBE	EDB/ EDC	Notes
			Benzene	Toluene	Ethyl-Benzene	Total Xylenes			
MW-4	5/29/1992	34,000	8,900	580	1,600	3,100	---	---	Contained LNAPL
	8/27/1992	290,000	11,000	560	1,700	1,800	---	---	
	11/12/1992	---	---	---	---	---	---	---	
	2/10/1993	35,000	12,000	820	2,300	5,400	---	---	
	3/10/1994	52,000	9,800	780	4,300	22,000	---	---	
	6/9/1994	44,000	10,000	460	1,300	2,000	1,200	---	
	9/14/1994	24,000	7,000	340	2,200	1,400	---	---	
	12/6/1994	28,000	9,600	440	2,700	2,300	---	---	
	3/9/1995	---	---	---	---	---	---	---	
	6/13/1995	---	---	---	---	---	---	---	
	9/14/1995	---	---	---	---	---	---	---	
	3/26/1996	<50	1.2	<0.5	<0.5	<0.5	---	---	
	6/24/1996	---	---	---	---	---	---	---	
	12/26/1996	12,600	2,500	63.2	540	389	---	---	
	6/24/1997	---	---	---	---	---	---	---	
	12/16/1997	12,000	2,200	330	900	400	---	---	
	6/15/1998	---	---	---	---	---	---	---	
	1/6/1999	11,500	2,200	37.9	1,310	578	---	---	
	7/12/1999	7,120	1,050	30.8	658	398	220	---	
	12/20/1999	---	---	---	---	---	---	---	
	12/14/2000	---	---	---	---	---	---	---	Destroyed 2/9/00
MW-5	5/29/1992	110,000	20,000	17,000	2,600	13,000	---	---	Contained LNAPL Contained LNAPL Contained LNAPL Contained LNAPL
	8/27/1992	---	---	---	---	---	---	---	
	11/12/1992	---	---	---	---	---	---	---	
	2/10/1993	---	---	---	---	---	---	---	
	3/10/1994	---	---	---	---	---	---	---	
	6/9/1994	160,000	24,000	14,000	3,000	18,000	< 1,000	---	
	9/14/1994	---	---	---	---	---	---	---	
	12/6/1994	---	---	---	---	---	---	---	
	3/9/1995	---	---	---	---	---	---	---	
	6/13/1995	---	---	---	---	---	---	---	
	9/14/1995	---	---	---	---	---	---	---	
	3/26/1996	7,800	880	110	56	460	---	---	
	6/24/1996	---	---	---	---	---	---	---	
	12/26/1996	28,500	5,760	958	322	4,430	---	---	Not Located Not Located Not Located Not Located
	6/24/1997	---	---	---	---	---	---	---	
	12/16/1997	---	---	---	---	---	---	---	
	6/15/1998	---	---	---	---	---	---	---	
	1/6/1999	---	---	---	---	---	---	---	
	7/13/1999	41,700	5,670	1,460	1,700	7,670	603	---	Destroyed 2/9/00
	12/20/1999	---	---	---	---	---	---	---	
	12/14/2000	---	---	---	---	---	---	---	

**TABLE 2**  
**ANALYTICAL RESULTS: GROUNDWATER**  
**CLOUDBURST CAR WASH**  
**1322 FOURTH STREET**  
**SANTA ROSA, CALIFORNIA**  
(all results in µg/L)

Monitoring Well	Date Collected	Total Petroleum Hydrocarbons as Gasoline	Aromatic Volatile Organics				MTBE	EDB/ EDC	Notes
			Benzene	Toluene	Ethyl-Benzene	Total Xylenes			
MW-6	5/29/1992	37,000	6,400	1,200	2,500	13,000	---	---	Contained LNAPL
	8/27/1992	52,000	9,200	800	2,000	4,500	---	---	
	11/12/1992	---	---	---	---	---	---	---	
	2/10/1993	---	---	---	---	---	---	---	
	3/10/1994	---	---	---	---	---	---	---	
	6/9/1994	---	---	---	---	---	---	---	
	9/14/1994	---	---	---	---	---	---	---	
	12/6/1994	---	---	---	---	---	---	---	
	3/9/1995	---	---	---	---	---	---	---	
	6/13/1995	---	---	---	---	---	---	---	
	9/14/1995	---	---	---	---	---	---	---	Contained LNAPL
	3/26/1996	44,000	3,700	760	1,700	6,800	---	---	Contained LNAPL
	6/24/1996	---	---	---	---	---	---	---	
	12/26/1996	---	---	---	---	---	---	---	
	6/24/1997	---	---	---	---	---	---	---	
	12/16/1997	---	---	---	---	---	---	---	
	6/15/1998	24,800	5,160	268	1,430	1,780	---	---	
	1/6/1999	Sheen	---	---	---	---	---	---	
	7/12/1999	18,700	5,070	174	921	159	416	---	
	12/20/1999	---	---	---	---	---	---	---	
	12/14/2000	20,000	4,100	120	730	400	410	< 20	Contained LNAPL Contained LNAPL
	3/14/2001	34,000	3,600	120	1,000	880	300	< 5.0	
	6/12/2002	16,000	3,200	110	830	410	170	< 5.0	
	9/11/2002	---	---	---	---	---	---	---	
	12/11/2002	6,200	2,800	140	560	370	210	< 5.0	
	3/17/2003	20,000	2,000	200	1,400	1,900	< 100	< 100	
	6/17/2003	15,000	2,700	91	770	360	170	<25	
	9/15/2003	13,000	2,900	120	770	450	160	<100	
	12/15/2003	15,000	3,300	200	1,200	1,100	94	<25	
	3/16/2004	9,500	2,500	77	760	440	75	<0.5	sheen, odor sheen Sheen, Strong Odor
	6/14/2004	11,000	2,400	41	800	240	110	<2.5	
	9/14/2004	10,000	2,600	49	500	130	170	<0.5	
	12/14/2004	9,000	1,700	140	780	610	110	<0.5	
	3/1/2005	10,000	1,700	55	720	390	180	<5.0	
	6/7/2005	10,000	1,400	68	490	220	110	<5.0	sheen
	9/6/2005	12,000	910	49	680	170	82	<0.5	sheen

**TABLE 2**  
**ANALYTICAL RESULTS: GROUNDWATER**  
**CLOUDBURST CAR WASH**  
**1322 FOURTH STREET**  
**SANTA ROSA, CALIFORNIA**  
(all results in µg/L)

Monitoring Well	Date Collected	Total Petroleum Hydrocarbons as Gasoline	Aromatic Volatile Organics				MTBE	EDB/ EDC	Notes
			Benzene	Toluene	Ethyl-Benzene	Total Xylenes			
MW-7	5/29/1992	23,000	6,200	1,100	1,300	5,000	---	---	Contained LNAPL
	8/27/1992	26,000	12,000	2,000	560	1,300	---	---	
	11/12/1992	28,000	9,800	810	470	830	---	---	
	2/10/1993	--	--	--	--	--	---	---	
	3/10/1994	84,000	32,000	33,000	2,800	14,000	---	---	
	6/9/1994	--	--	--	--	--	---	---	
	9/14/1994	--	--	--	--	--	---	---	
	12/6/1994	--	--	--	--	--	---	---	
	3/9/1995	--	--	--	--	--	---	---	
	6/13/1995	--	--	--	--	--	---	---	
	9/14/1995	--	--	--	--	--	---	---	
	3/26/1996	130,000	17,000	21,000	3,600	18,000	---	---	
	6/24/1996	--	--	--	--	--	---	---	
	12/26/1996	--	--	--	--	--	---	---	
	6/24/1997	--	--	--	--	--	---	---	
	12/16/1997	--	--	--	--	--	---	---	
	6/15/1998	--	--	--	--	--	---	---	
	1/6/1999	--	--	--	--	--	---	---	
	7/12/1999	--	--	--	--	--	---	---	
	12/20/1999	--	--	--	--	--	---	---	
	1/15/2001	47,000	2,900	1,200	550	5,900	2,500	< 60	Contained LNAPL
	3/14/2001	43,000	4,400	2,000	810	5,700	1,700	< 5.0	
	6/12/2002	--	--	--	--	--	---	---	Contained LNAPL
	9/11/2002	--	--	--	--	--	---	---	Contained LNAPL
	12/11/2002	--	--	--	--	--	---	---	Contained LNAPL
	3/17/2003	--	--	--	--	--	---	---	Contained LNAPL
	6/17/2003	--	--	--	--	--	---	---	Contained LNAPL
	9/15/2003	--	--	--	--	--	---	---	Contained LNAPL
	12/15/2003	--	--	--	--	--	---	---	Contained LNAPL
	3/16/2004	--	--	--	--	--	---	---	Contained LNAPL
	6/14/2004	--	--	--	--	--	---	---	Contained LNAPL
	9/14/2004	--	--	--	--	--	---	---	Contained LNAPL
	12/14/2004	33,000	6,600	310	2,200	10,000	870	TBA=600	strong odor
	3/1/2005	28,000	6,200	400	940	3,500	1,100	<10	sheen
	6/7/2005	27,000	5,600	360	930	3,500	710	<10	sheen
	9/6/2005	--	--	--	--	--	---	---	Contained LNAPL

**TABLE 2**  
**ANALYTICAL RESULTS: GROUNDWATER**  
**CLOUDBURST CAR WASH**  
**1322 FOURTH STREET**  
**SANTA ROSA, CALIFORNIA**  
(all results in µg/L)

Monitoring Well	Date Collected	Total Petroleum Hydrocarbons as Gasoline	Aromatic Volatile Organics				MTBE	EDB/ EDC	Notes
			Benzene	Toluene	Ethyl-Benzene	Total Xylenes			
MW-8	5/29/1992	20,000	4,200	320	980	1,700	---	---	
	8/27/1992	28,000	6,100	210	14,000	1,300	---	---	
	11/12/1992	26,000	5,400	110	16,000	1,300	---	---	
	2/10/1993	14,000	5,200	350	100	1,700	---	---	
	3/10/1994	76,000	8,800	1,000	6,900	5,800	---	---	
	6/9/1994	30,000	8,000	< 200	1,600	740	460	---	
	9/14/1994	12,000	3,900	34	650	110	---	---	
	12/6/1994	21,000	6,200	170	2,000	2,600	---	---	
	3/9/1995	---	---	---	---	---	---	---	
	6/13/1995	---	---	---	---	---	---	---	
	9/14/1995	---	---	---	---	---	---	---	
	3/26/1996	18,000	1,600	31	1,100	1,000	---	---	
	6/24/1996	---	---	---	---	---	---	---	
	12/26/1996	---	---	---	---	---	---	---	
	6/24/1997	---	---	---	---	---	---	---	
	12/16/1997	17,000	2,000	74	930	960	---	---	
	6/15/1998	15,300	3,210	103	934	999	---	---	
	1/6/1999	6,820	1,730	< 20	599	368	---	---	
	7/12/1999	6,900	1,640	< 50	224	< 50	98.8	---	
	12/20/1999	---	---	---	---	---	---	---	
	12/14/2000	5,000	870	14	140	18	100	< 2.5	
	3/14/2001	15,000	890	38	480	460	55	< 5.0	
	6/12/2002	6,000	1,300	21	150	60	72	< 5.0	
	9/11/2002	1,700	850	2.2	25	6	72	< 25	
	12/11/2002	1,000	350	7.3	110	55	38	< 5.0	
	3/17/2003	2,100	250	9.2	120	72	< 100	< 100	
	6/17/2003	4,900	1,000	17	98	48	75	<25	
	9/15/2003	4,300	930	16	86	11	57	<5.0	
	12/15/2003	4,000	550	17	240	130	48	<5.0	
	3/16/2004	4,000	740	5	320	200	23	<0.5	
	6/14/2004	5,300	1,300	32	320	94	56	<5.0	strong odor
	9/14/2004	3,300	660	15	47	6	57	TAME = 6.6	strong odor
	12/14/2004	2,900	420	21	280	160	22	<0.5	strong odor
	3/1/2005	4,700	510	18	180	120	38	<0.5	slight odor
	6/7/2005	900	69	12	19	<10	6.2	<0.5	slight odor
	9/6/2005	5,000	710	30	130	33	38	TAME = 4.3	slight odor

**TABLE 2**  
**ANALYTICAL RESULTS: GROUNDWATER**  
**CLOUDBURST CAR WASH**  
**1322 FOURTH STREET**  
**SANTA ROSA, CALIFORNIA**  
(all results in µg/L)

Monitoring Well	Date Collected	Total Petroleum Hydrocarbons as Gasoline	Aromatic Volatile Organics				MTBE	EDB/ EDC	Notes
			Benzene	Toluene	Ethyl-Benzene	Total Xylenes			
MW-9	8/27/1993	< 50	< 0.5	< 0.5	< 0.5	< 0.5	---	---	
	12/28/1993	< 50	< 0.5	< 0.5	< 0.5	< 0.5	---	---	
	3/10/1994	< 50	< 0.5	< 0.5	< 0.5	< 0.5	---	---	
	6/9/1994	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 1	---	
	9/14/1994	< 50	< 0.5	< 0.5	< 0.5	9	---	---	
	12/6/1994	< 50	< 0.5	< 0.5	< 0.5	< 0.5	---	---	
	3/9/1995	180	0.027	< 0.5	< 0.5	10	---	---	
	6/13/1995	110	< 0.5	< 0.5	< 0.5	< 0.5	---	---	
	9/14/1995	< 50	< 0.5	< 0.5	< 0.5	< 0.5	---	---	
	3/26/1996	< 50	0.0046	< 0.5	< 0.5	6	---	---	
	6/24/1996	64	< 0.5	< 0.5	< 0.5	< 0.5	---	---	
	12/26/1996	< 50	0.0016	< 0.5	6	5	---	---	
	6/24/1997	< 50	< 0.5	< 0.5	< 0.5	< 0.5	---	---	
	12/16/1997	< 50	< 0.5	< 0.5	< 0.5	< 0.5	---	---	
	6/15/1998	---	---	---	---	---	---	---	
	1/6/1999	< 50	< 0.5	< 0.5	< 0.5	< 0.5	---	---	
	7/12/1999	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 2.0	---	
	12/20/1999	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 2.5	---	
	12/14/2000	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 1.0	< 1.0	
	3/14/2001	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 1.0	< 0.5	
	6/12/2002	< 50	< 0.5	< 0.5	< 0.5	< 0.5	0.52	< 0.5	
	9/11/2002	< 50	< 0.3	< 0.3	< 0.3	< 0.6	< 5.0	< 5.0	
	12/11/2002	< 50	< 0.3	< 0.3	< 0.3	< 0.6	< 5.0	< 5.0	
	3/17/2003	< 50	< 0.5	< 0.5	< 0.5	< 1.0	< 5.0	< 5.0	
	6/17/2003	< 50	< 0.5	< 0.5	< 0.5	< 1.0	< 5.0	< 5.0	
	9/15/2003	< 50	< 0.5	< 0.5	< 0.5	< 1.0	< 5.0	< 5.0	
	12/15/2003	< 50	< 0.5	< 0.5	< 0.5	< 1.0	< 5.0	< 5.0	
	3/16/2004	< 50	< 0.5	< 0.5	< 0.5	< 1.0	0.69	< 0.5	
	6/14/2004	< 50	< 0.5	< 0.5	< 0.5	< 1.0	0.99	< 0.5	
	9/14/2004	< 50	< 0.5	< 0.5	< 0.5	< 1.0	< 0.5	< 0.5	
	12/14/2004	< 50	0.72	< 0.5	< 0.5	< 1.0	< 0.5	< 0.5	
	3/1/2005	< 50	< 0.5	< 0.5	< 0.5	< 1.0	< 0.5	< 0.5	
	6/7/2005	< 50	< 0.5	< 0.5	< 0.5	< 1.0	1.1	< 0.5	
	9/6/2005	< 50	< 0.5	< 0.5	< 0.5	< 1.0	1.0	< 0.5	

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**ANALYTICAL RESULTS: GROUNDWATER**  
**CLOUDBURST CAR WASH**  
**1322 FOURTH STREET**  
**SANTA ROSA, CALIFORNIA**  
(all results in  $\mu\text{g/L}$ )

Monitoring Well	Date Collected	Total Petroleum Hydrocarbons as Gasoline	Aromatic Volatile Organics				MTBE	EDB/ EDC	Notes
			Benzene	Toluene	Ethyl-Benzene	Total Xylenes			
MW-10	8/5/1994	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 25	---	
	9/14/1994	< 50	< 0.5	< 0.5	< 0.5	< 0.5	---	---	
	12/6/1994	230	< 0.5	< 0.5	20	2.2	---	---	
	3/9/1995	< 50	< 0.5	< 0.5	< 0.5	< 0.5	---	---	
	6/13/1995	110	< 0.5	< 0.5	< 0.5	< 0.5	---	---	
	9/14/1995	< 50	< 0.5	< 0.5	< 0.5	< 0.5	---	---	
	3/26/1996	< 50	< 0.5	< 0.5	< 0.5	< 0.5	---	---	
	6/24/1996	< 50	< 0.5	< 0.5	< 0.5	< 0.5	---	---	
	12/26/1996	138	< 0.5	< 0.5	< 0.5	7	---	---	
	6/24/1997	< 50	< 0.5	< 0.5	< 0.5	< 0.5	---	---	
	12/16/1997	< 50	< 0.5	< 0.5	< 0.5	< 0.5	---	---	
	6/15/1998	< 50	< 0.5	< 0.5	< 0.5	< 0.5	---	---	
	1/6/1999	< 50	< 0.5	< 0.5	< 0.5	< 0.5	---	---	
	7/12/1999	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 2.0	---	
	12/20/1999	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 2.5	---	
	12/14/2000	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 1.0	< 1.0	
	3/14/2001	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 1.0	< 0.5	
	6/12/2002	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	
	9/11/2002	< 50	< 0.3	< 0.3	< 0.3	< 0.6	< 5.0	< 5.0	
	12/11/2002	< 50	< 0.3	< 0.3	< 0.3	< 0.6	< 5.0	< 5.0	
	3/17/2003	< 50	< 0.5	< 0.5	< 0.5	< 1.0	< 5.0	< 5.0	
	6/17/2003	< 50	< 0.5	< 0.5	< 0.5	< 1.0	< 5.0	< 5.0	
	9/15/2003	< 50	< 0.5	< 0.5	< 0.5	< 1.0	< 5.0	< 5.0	
	12/15/2003	< 50	< 0.5	< 0.5	< 0.5	< 1.0	< 5.0	< 5.0	
	3/16/2004	< 50	< 0.5	< 0.5	< 0.5	< 1.0	< 0.5	< 0.5	
	6/14/2004	< 50	< 0.5	< 0.5	< 0.5	< 1.0	< 0.5	< 0.5	
	9/14/2004	< 50	0.68	0.50	< 0.5	< 1.0	< 0.5	< 0.5	
	12/14/2004	< 50	< 0.5	< 0.5	< 0.5	< 1.0	< 0.5	< 0.5	
	3/1/2005	< 50	< 0.5	< 0.5	< 0.5	< 1.0	< 0.5	< 0.5	
	6/7/2005	< 50	< 0.5	< 0.5	< 0.5	< 1.0	< 0.5	< 0.5	
	9/6/2005	< 50	< 0.5	< 0.5	< 0.5	< 1.0	< 0.5	< 0.5	

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**CLOUDBURST CAR WASH**  
**1322 FOURTH STREET**  
**SANTA ROSA, CALIFORNIA**  
(all results in µg/L)

Monitoring Well	Date Collected	Total Petroleum Hydrocarbons as Gasoline	Aromatic Volatile Organics				MTBE	EDB/ EDC	Notes
			Benzene	Toluene	Ethyl-Benzene	Total Xylenes			
MW-11	8/5/1994	6,800	< 0.5	< 0.5	4.2	12	< 25	---	
	9/14/1994	2,000	30	3.2	14	98	---	---	
	12/6/1994	390	< 0.5	< 0.5	< 0.5	0.6	---	---	
	3/9/1995	< 50	5	< 0.5	< 0.5	< 0.5	---	---	
	6/13/1995	2,400	17	< 2	3	5.8	---	---	
	9/14/1995	1,400	< 1	1.7	2.8	5.4	---	---	
	3/26/1996	< 50	< 0.5	< 0.5	< 0.5	< 0.5	---	---	
	6/24/1996	1,370	16.7	2.8	6	2.3	---	---	
	12/26/1996	93	< 0.5	< 0.5	< 0.5	< 0.5	---	---	
	6/24/1997	< 50	< 0.5	< 0.5	< 0.5	< 0.5	---	---	
	12/16/1997	240	< 0.5	< 0.5	< 0.5	< 0.5	---	---	
	6/15/1998	1,240	< 0.5	6.2	2.69	3.33	---	---	
	1/6/1999	2,370	61.7	2.42	8.61	12.2	---	---	
	7/12/1999	1,010	8.57	5.79	0.947	0.956	21.4	---	
	12/20/1999	624	< 0.5	< 0.5	< 0.5	< 0.5	< 2.5	---	
	12/14/2000	540	< 0.5	16	< 0.5	< 0.5	1.8	< 1.0	
	3/14/2001	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 1.0	< 1.0	
	6/12/2002	420	< 0.5	13	< 0.5	< 0.5	13	< 0.5	
	9/11/2002	< 50	< 0.3	< 0.3	< 0.3	< 0.6	6.9	< 5.0	
	12/11/2002	< 50	< 0.3	3.3	< 0.3	< 0.6	< 5.0	< 5.0	
	3/17/2003	< 50	< 0.5	< 0.5	< 0.5	< 1.0	< 5.0	< 5.0	
	6/17/2003	270	< 0.5	11	< 0.5	< 1.0	9	< 5.0	
	9/15/2003	< 50	< 0.5	< 0.5	< 0.5	< 1.0	< 5.0	< 5.0	
	12/15/2003	81	< 0.5	< 0.5	< 0.5	< 1.0	< 5.0	< 5.0	
	3/16/2004	< 50	< 0.5	< 0.5	< 0.5	< 1.0	< 0.5	< 0.5	
	6/14/2004	150	< 0.5	5.0	0.78	< 1.0	6.9	< 0.5	
	9/14/2004	< 50	< 0.5	< 0.5	< 0.5	< 1.0	3.6	< 0.5	
	12/14/2004	95	< 0.5	2.5	0.67	< 1.0	< 0.5	< 0.5	
	3/1/2005	< 50	< 0.5	0.71	< 0.5	< 1.0	1.8	< 0.5	
	6/7/2005	140	< 0.5	4.50	< 0.5	< 1.0	0.93	< 0.5	
	9/6/2005	240	< 0.5	6.2	< 0.5	< 1.0	3.8	< 0.5	

**TABLE 2**  
**ANALYTICAL RESULTS: GROUNDWATER**  
**CLOUDBURST CAR WASH**  
**1322 FOURTH STREET**  
**SANTA ROSA, CALIFORNIA**  
(all results in  $\mu\text{g/L}$ )

Monitoring Well	Date Collected	Total Petroleum Hydrocarbons as Gasoline	Aromatic Volatile Organics				MTBE	EDB/ EDC	Notes
			Benzene	Toluene	Ethyl-Benzene	Total Xylenes			
MW-12	8/5/1994	2,900	19	1.3	6	24	< 25	---	
	9/14/1994	4,800	88	12	140	120	---	---	
	12/6/1994	4,500	68	7	170	180	---	---	
	3/9/1995	< 50	< 0.5	< 0.5	< 0.5	< 0.5	---	---	
	6/13/1995	3,500	19	16	67	64	---	---	
	9/14/1995	13,000	120	18	490	340	---	---	
	3/26/1996	< 50	< 0.5	< 0.5	< 0.5	< 0.5	---	---	
	6/24/1996	11,300	83	13.1	408	295	---	---	
	12/26/1996	6,400	27.8	< 5	113	111	---	---	
	6/24/1997	1,000	13	1.5	44	34	---	---	
	12/16/1997	3,000	15	4.9	50	50	---	---	
	6/15/1998	7,850	170	7.58	180	138	---	---	
	1/6/1999	13,900	257	47.9	456	279	---	---	
	7/12/1999	11,300	228	< 20	384	252	< 2.0	---	
	12/20/1999	12,300	191	< 50	479	296	< 250	---	
	12/14/2000	14,000	55	16	430	220	< 2.0	EDC-2.6	
	3/14/2001	11,000	< 0.5	8.8	160	120	< 25	EDC-1.3	
	6/12/2002	17,000	95	16	150	60	< 10	< 10	
	9/11/2002	3,900	65	19	220	110	< 5.0	< 5.0	
	12/11/2002	6,800	34	ND < 1.5	370	130	< 5.0	< 5.0	
	3/17/2003	7,000	13	< 5.0	110	79	< 5.0	< 5.0	
	6/17/2003	6,400	30	24	280	160	< 5.0	< 5.0	
	9/15/2003	8,600	53	47	370	190	< 5.0	< 5.0	
	12/15/2003	7,700	72	54	390	170	< 5.0	< 5.0	
	3/16/2004	3,200	40	6.5	51	120	< 0.5	1,2 DCA -2.6	
	6/14/2004	150	0.96	< 0.5	3.9	3.4	< 0.5	< 0.5	
	9/14/2004	6,800	41	50	390	170	< 5	< 5	
	12/14/2004	4,900	20	39	230	81	< 0.5	< 0.5	
	3/1/2005	< 50	< 0.5	< 0.5	< 0.5	< 1.0	< 0.5	< 0.5	
	6/7/2005	< 50	< 0.5	< 0.5	< 0.5	< 1.0	< 0.5	< 0.5	
	9/6/2005	6,900	48	40	370	220	< 0.5	< 0.5	

**TABLE 2**  
**ANALYTICAL RESULTS: GROUNDWATER**  
**CLOUDBURST CAR WASH**  
**1322 FOURTH STREET**  
**SANTA ROSA, CALIFORNIA**  
(all results in µg/L)

Monitoring Well	Date Collected	Total Petroleum Hydrocarbons as Gasoline	Aromatic Volatile Organics				MTBE	EDB/ EDC	Notes
			Benzene	Toluene	Ethyl-Benzene	Total Xylenes			
MW-13	9/14/2004	5,300	4,200	12	46	45	1,800	<20	slight odor
	12/14/2004	12,000	5,200	25	370	190	1,000	TBA=410	
	3/1/2005	6,500	5,100	32	300	76	1,600	<10	slight odor
	6/7/2005	14,000	5,500	<50	310	150	1,300	<10	slight odor
	9/6/2005	9,900	4,700	47	430	73	1,300	<10	
MW-14	9/14/2004	45,000	2,800	430	2,400	3,400	520	<20	slight sheen
	12/14/2004	21,000	1,700	420	2,000	4,500	110	<0.5	
	3/1/2005	3,100	110	45	120	340	34	<0.5	
	6/7/2005	18,000	1,100	160	1,100	2,600	520	<10	
	9/6/2005	21,000	2,800	410	1,800	4,500	310	<5	

Notes:

µg/L = Micrograms per liter.

LNAPL = Light Non-Aqueous Phase Liquid

< = Below the indicated reporting limits.

ND < = Not detected, reporting limit raised due to sample dilution.

--- = Not sampled.

DIPE = Di-isopropyl ether

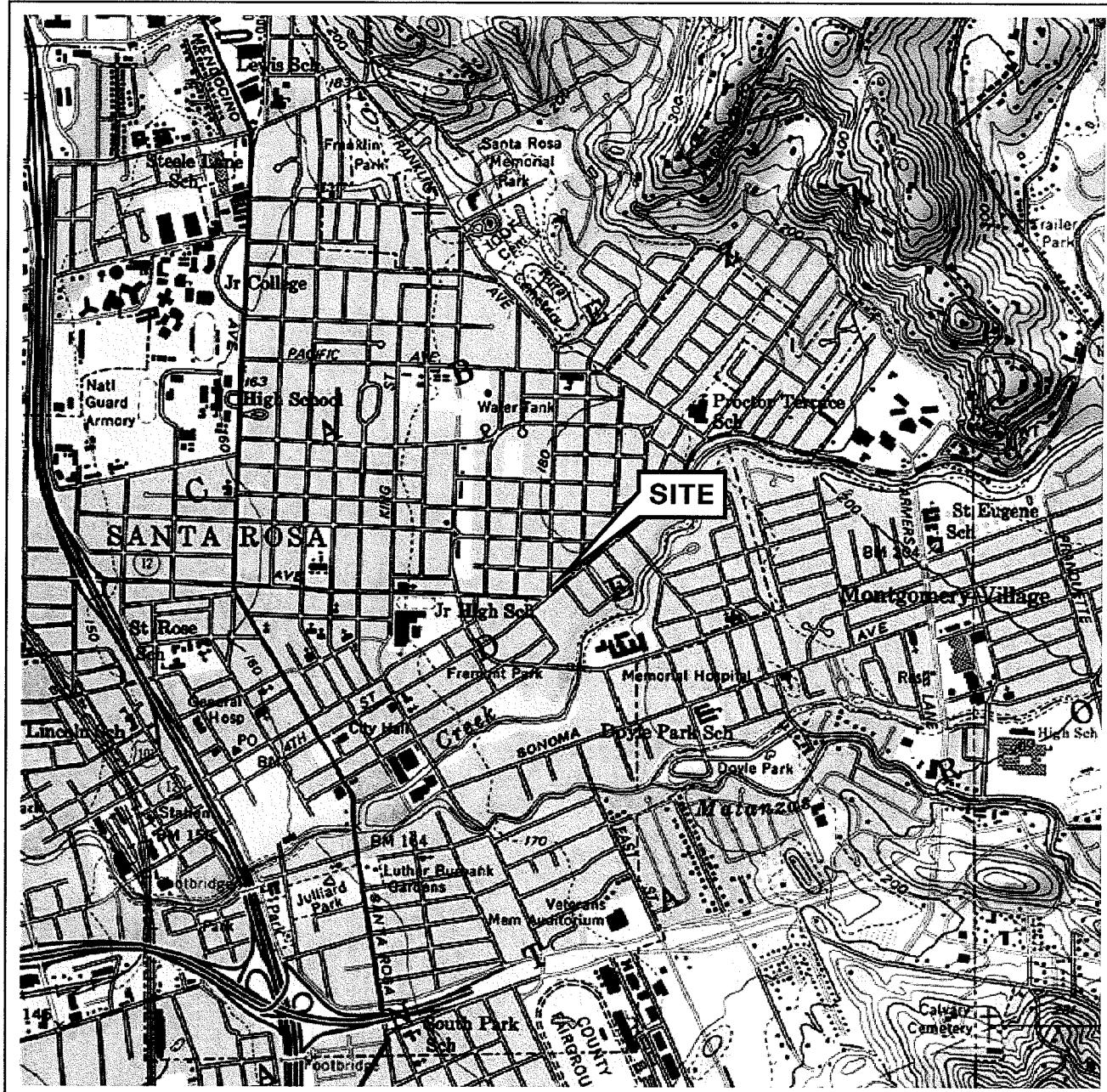
ETBE = Ethyl tert-butyl ether

MTBE = Methyl tertiary-butyl ether

TAME = tert-Amyl methyl ether

TBA = Tert-butyl alcohol

# FIGURES



0    1/4    1/2    3/4    1 MILE

SCALE 1:24,000

N

SOURCE:

United States Geological Survey  
7.5 Minute Topographic Map:  
Santa Rosa Quadrangle

QUADRANGLE LOCATION

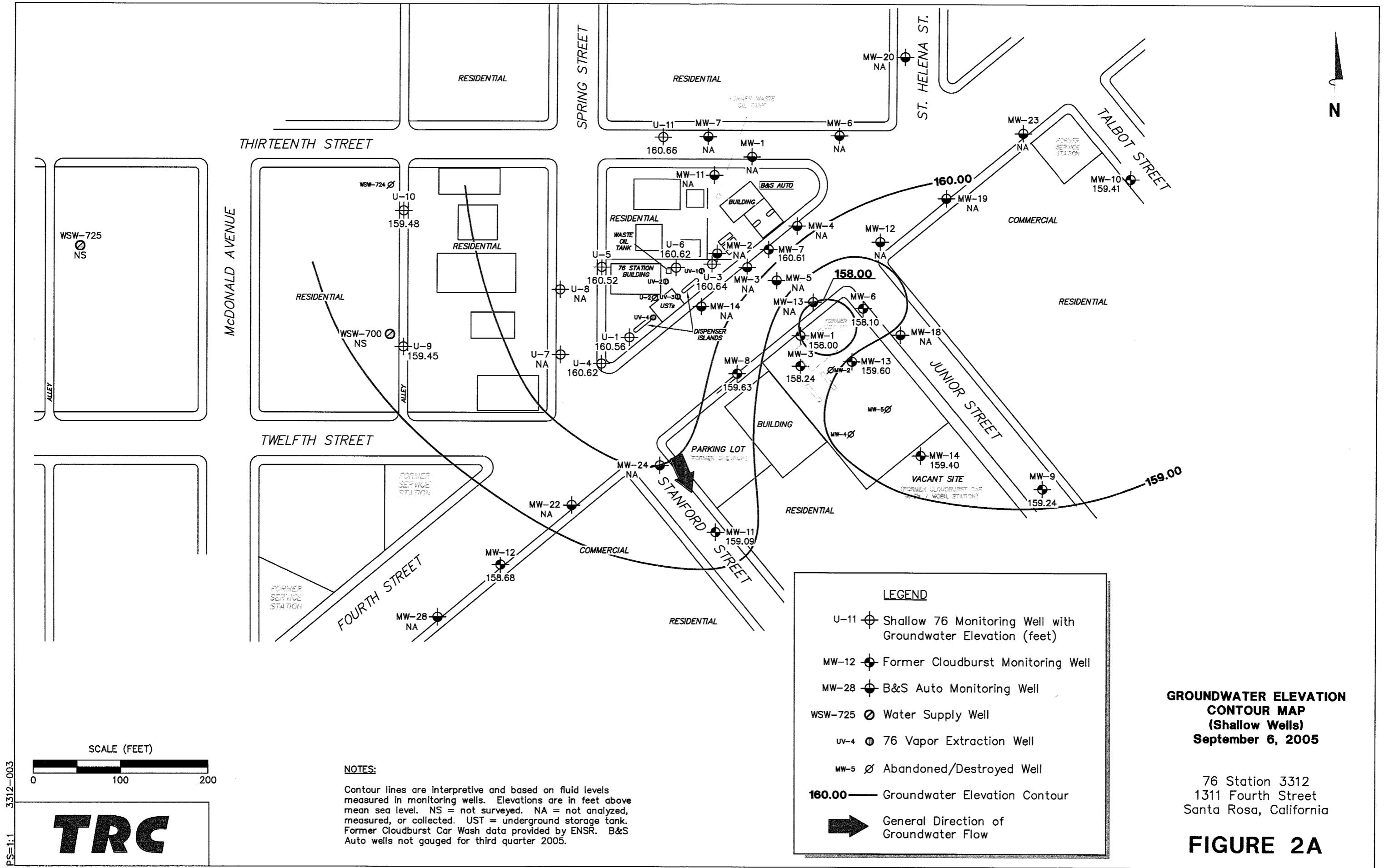
**VICINITY MAP**

76 Station 3312  
1311 Fourth Street  
Santa Rosa, California

PS = 1:1

**TRC**

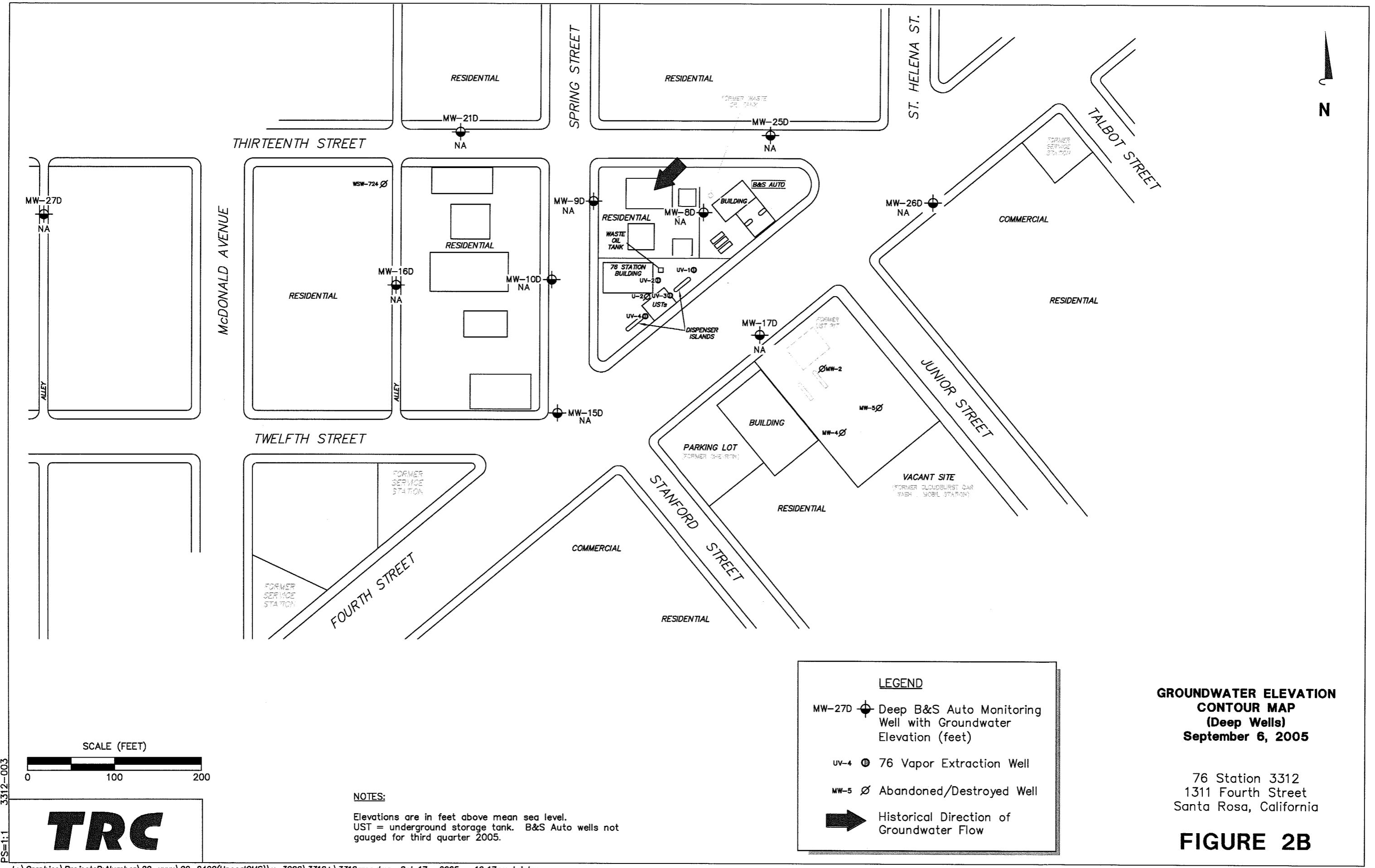
**FIGURE 1**

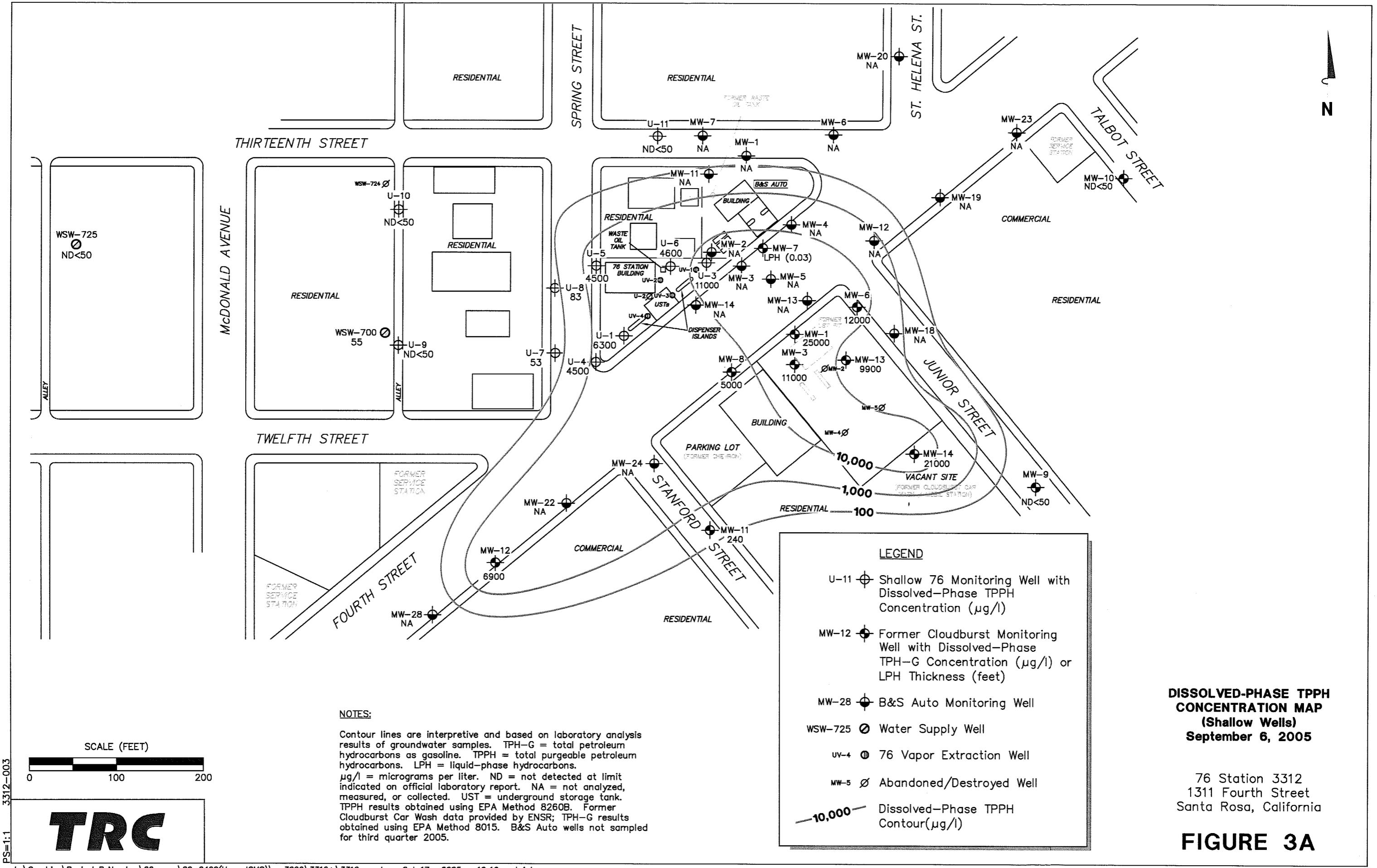


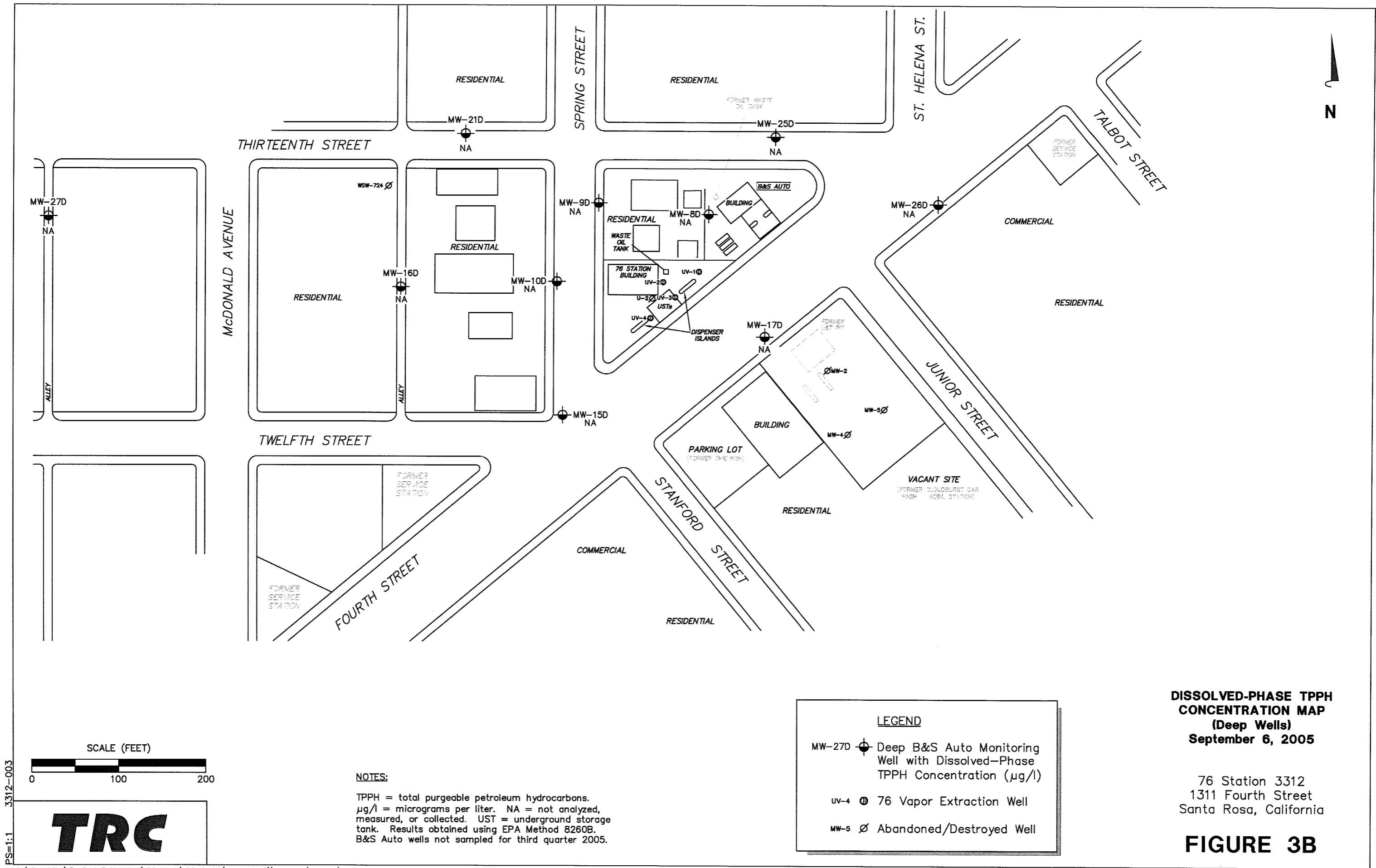
**GROUNDWATER ELEVATION  
CONTOUR MAP  
(Shallow Wells)  
September 6, 2005**

76 Station 3312  
1311 Fourth Street  
Santa Rosa, California

## **FIGURE 2A**







**DISSOLVED-PHASE TPPH  
CONCENTRATION MAP  
(Deep Wells)  
September 6, 2005**

76 Station 3312  
1311 Fourth Street  
Santa Rosa, California

## **FIGURE 3B**

**NOTES:**

TPPH = total purgeable petroleum hydrocarbons.  
µg/l = micrograms per liter. NA = not analyzed,  
measured, or collected. UST = underground storage  
tank. Results obtained using EPA Method 8260B.  
B&S Auto wells not sampled for third quarter 2005.

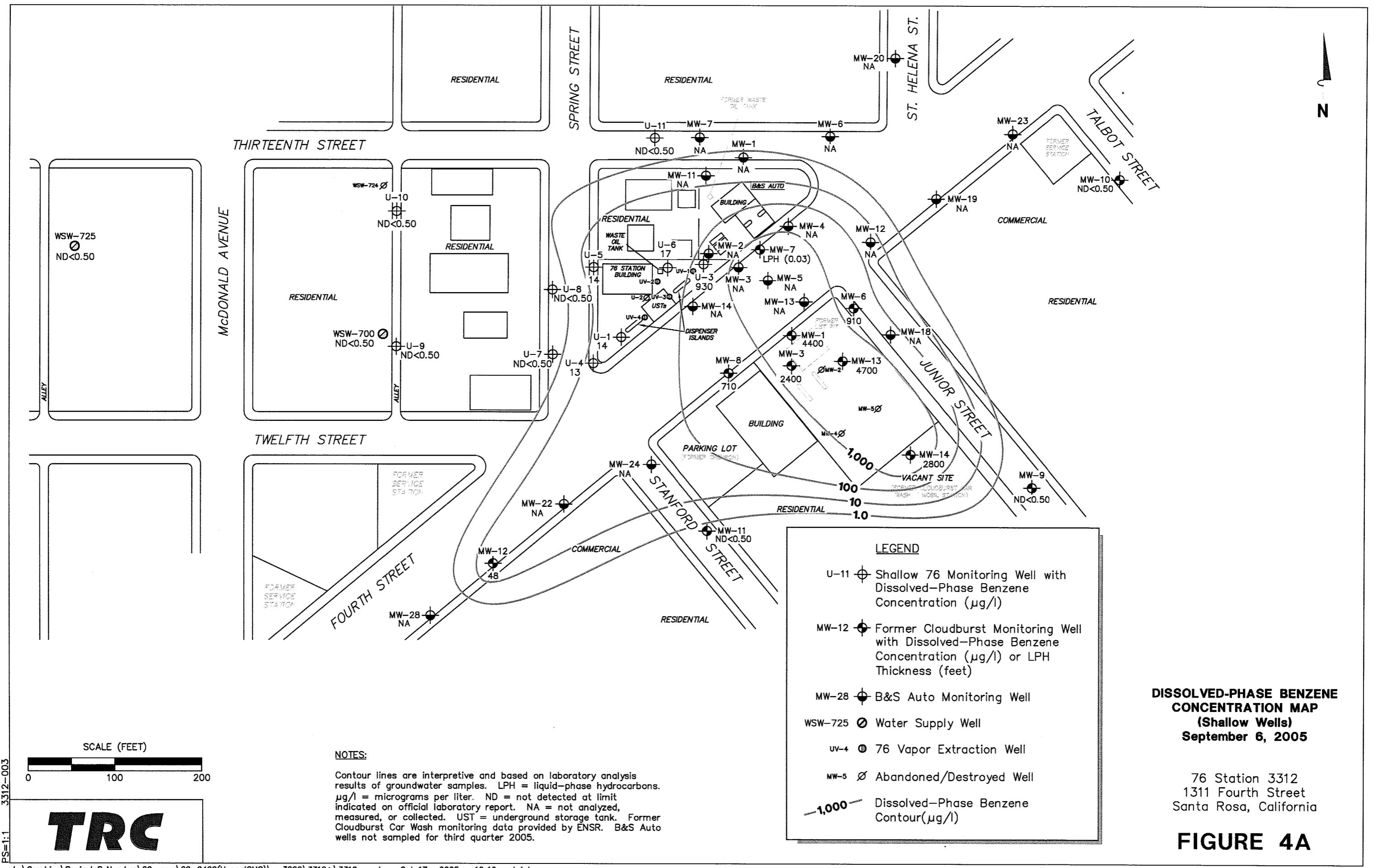
LEGEND

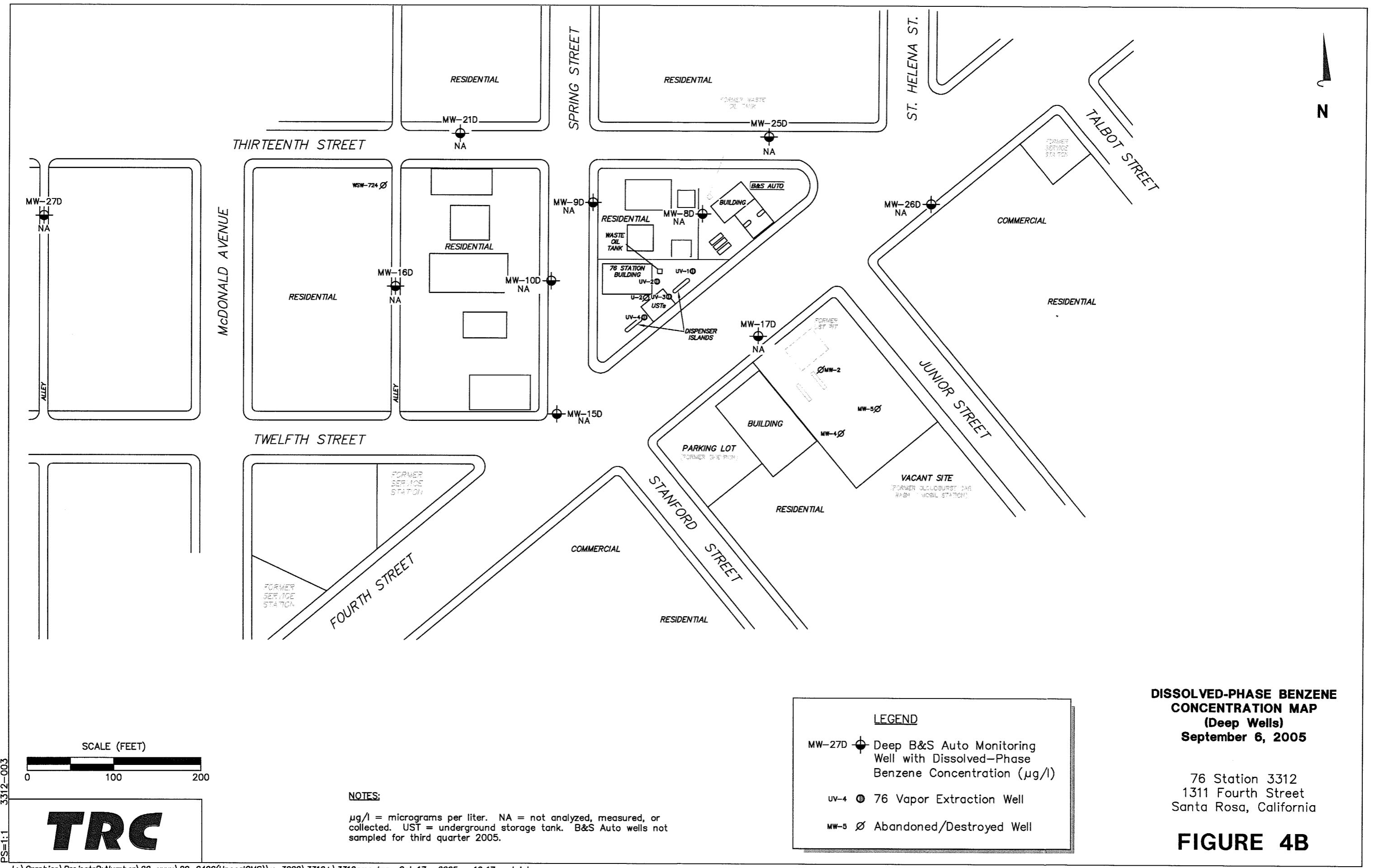
MW-27D  Deep B&S Auto Monitoring Well with Dissolved-Phase TPPH Concentration ( $\mu\text{g/l}$ )

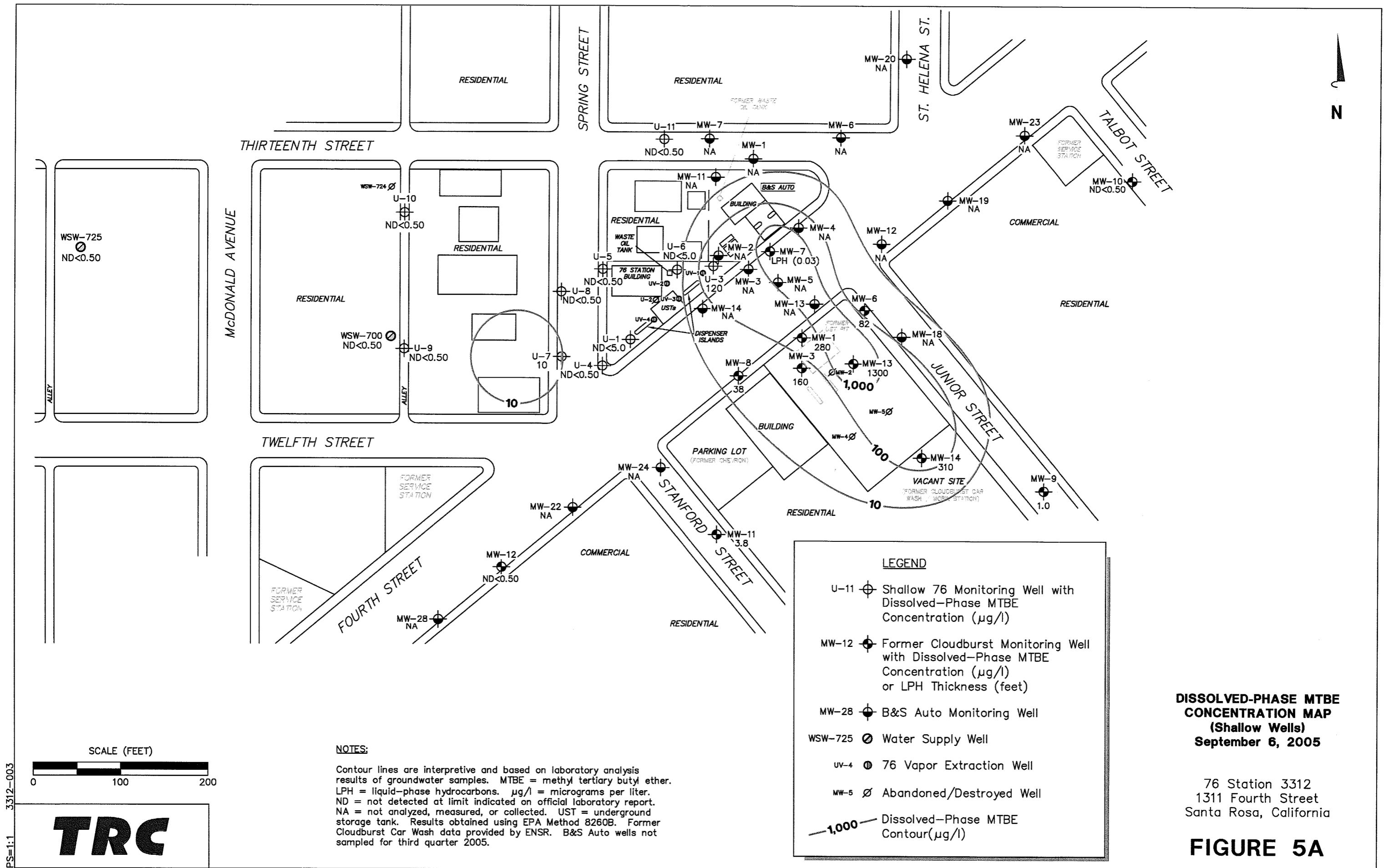
UV-4  76 Vapor Extraction Well

MW-5  Abandoned/Destroyed Well

N



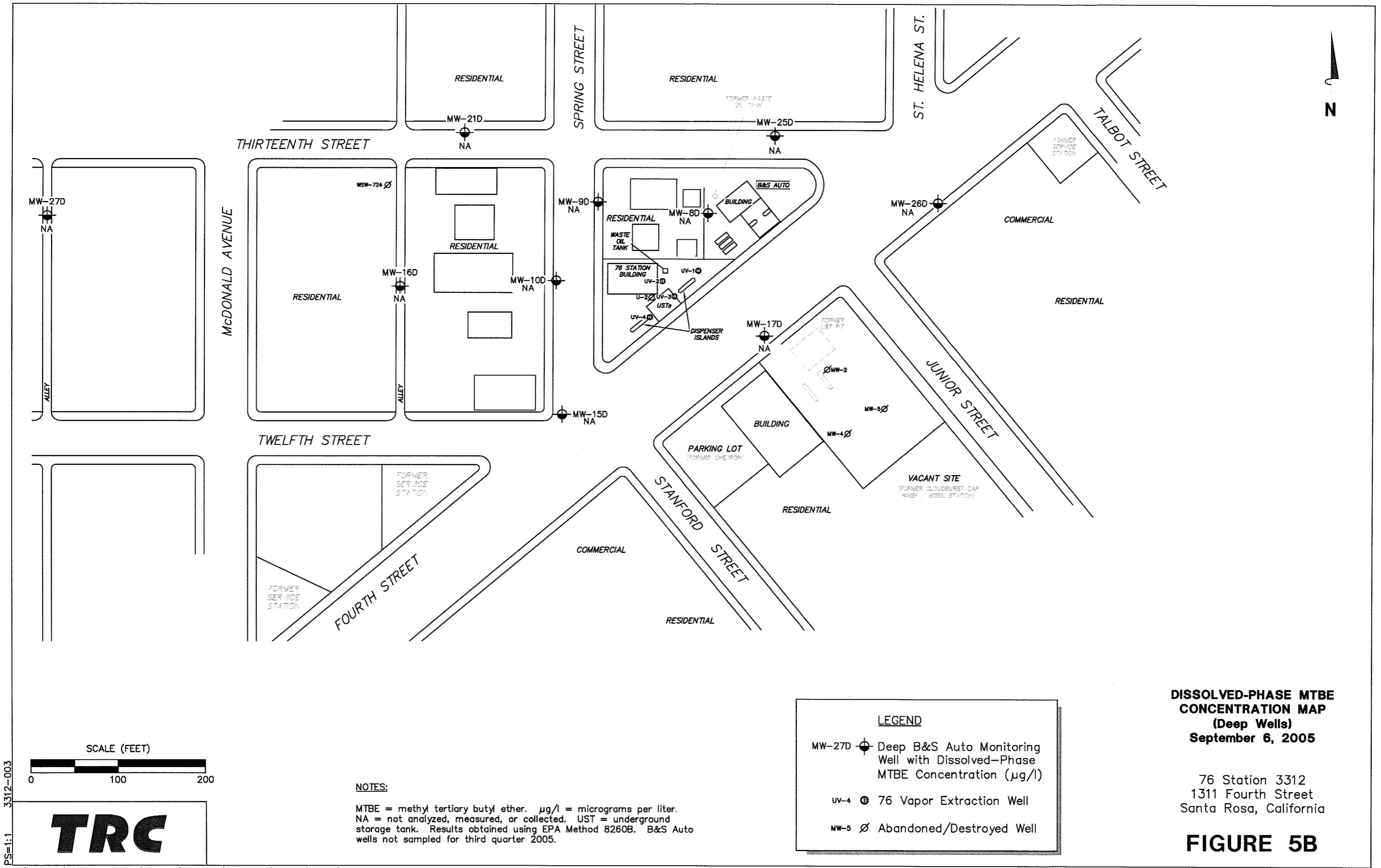




**DISSOLVED-PHASE MTBE  
CONCENTRATION MAP  
(Shallow Wells)  
September 6, 2005**

76 Station 3312  
1311 Fourth Street  
Santa Rosa, California

## **FIGURE 5A**



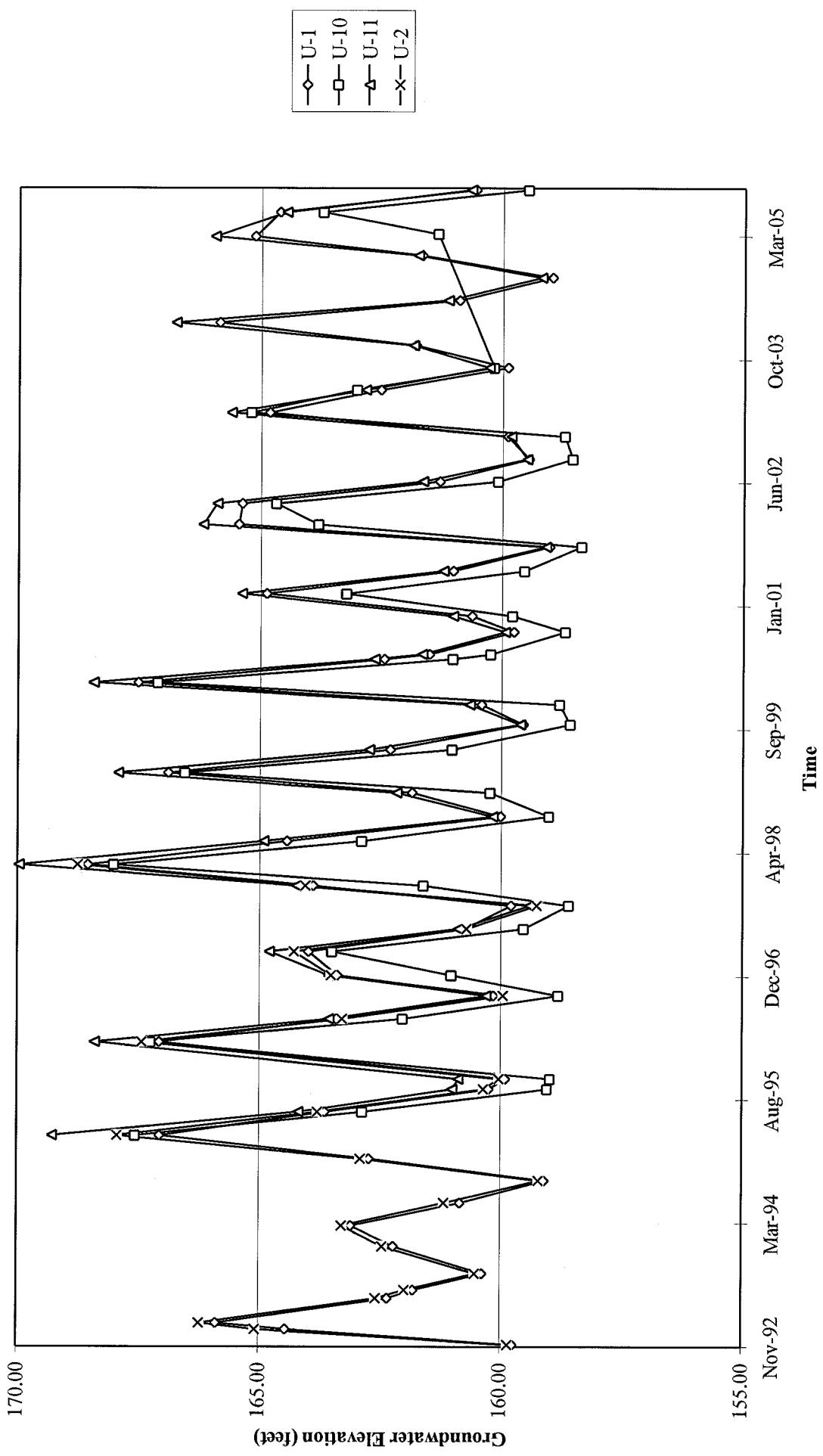
**DISSOLVED-PHASE MTBE  
CONCENTRATION MAP  
(Deep Wells)  
September 6, 2005**

76 Station 3312  
1311 Fourth Street  
Santa Rosa, California

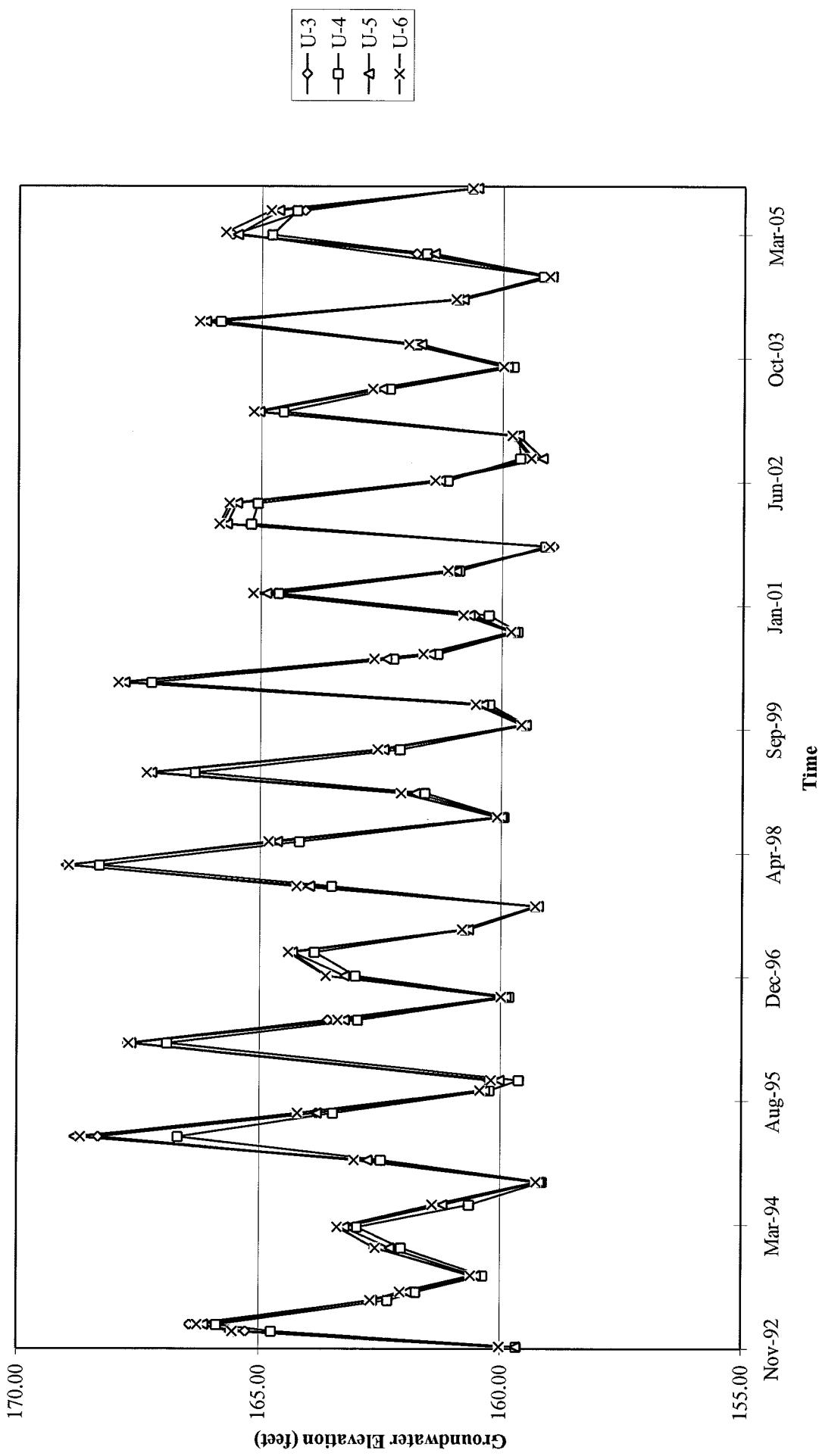
## **FIGURE 5B**

# GRAPHS

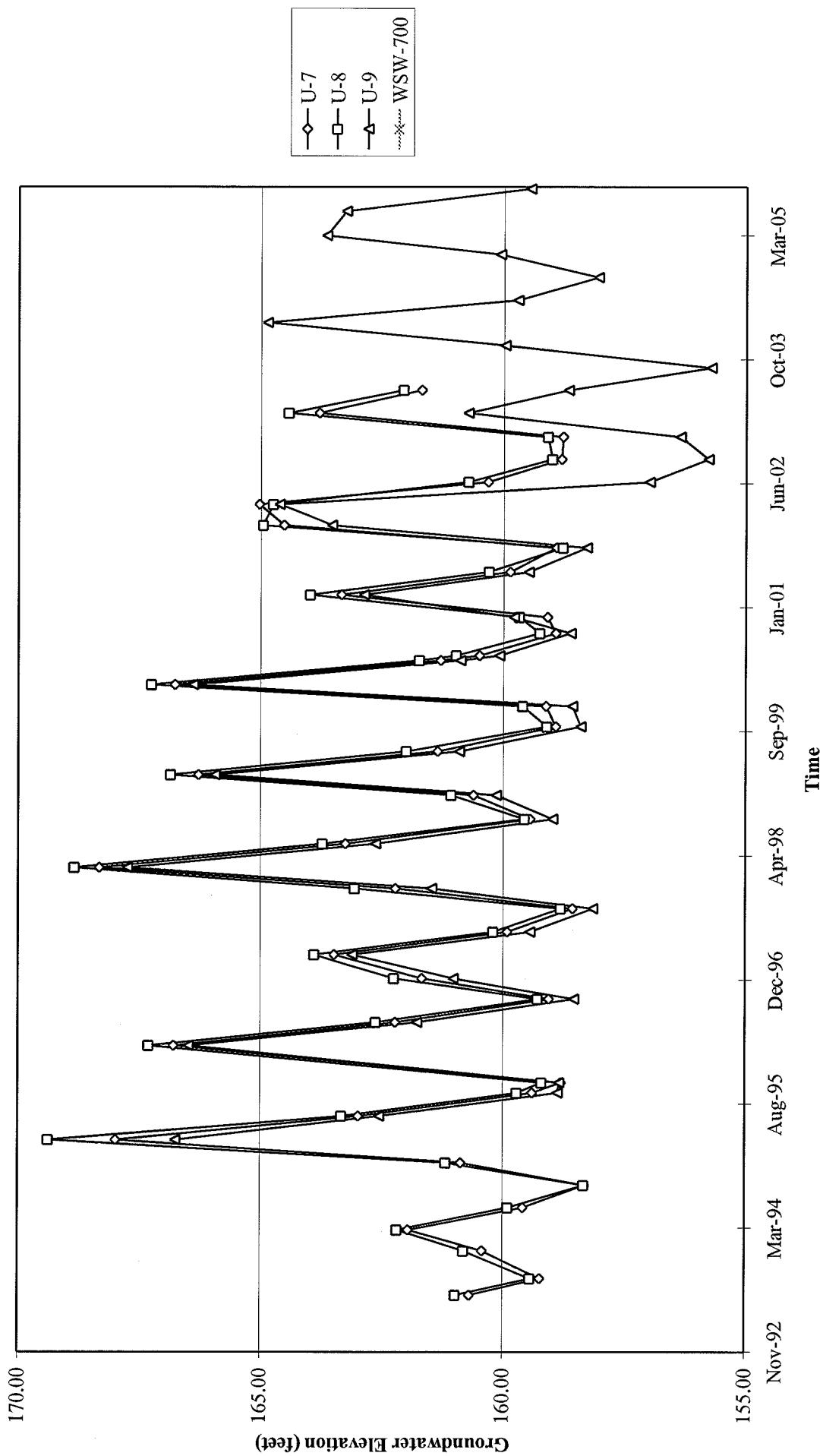
Groundwater Elevations vs. Time  
76 Station 3312



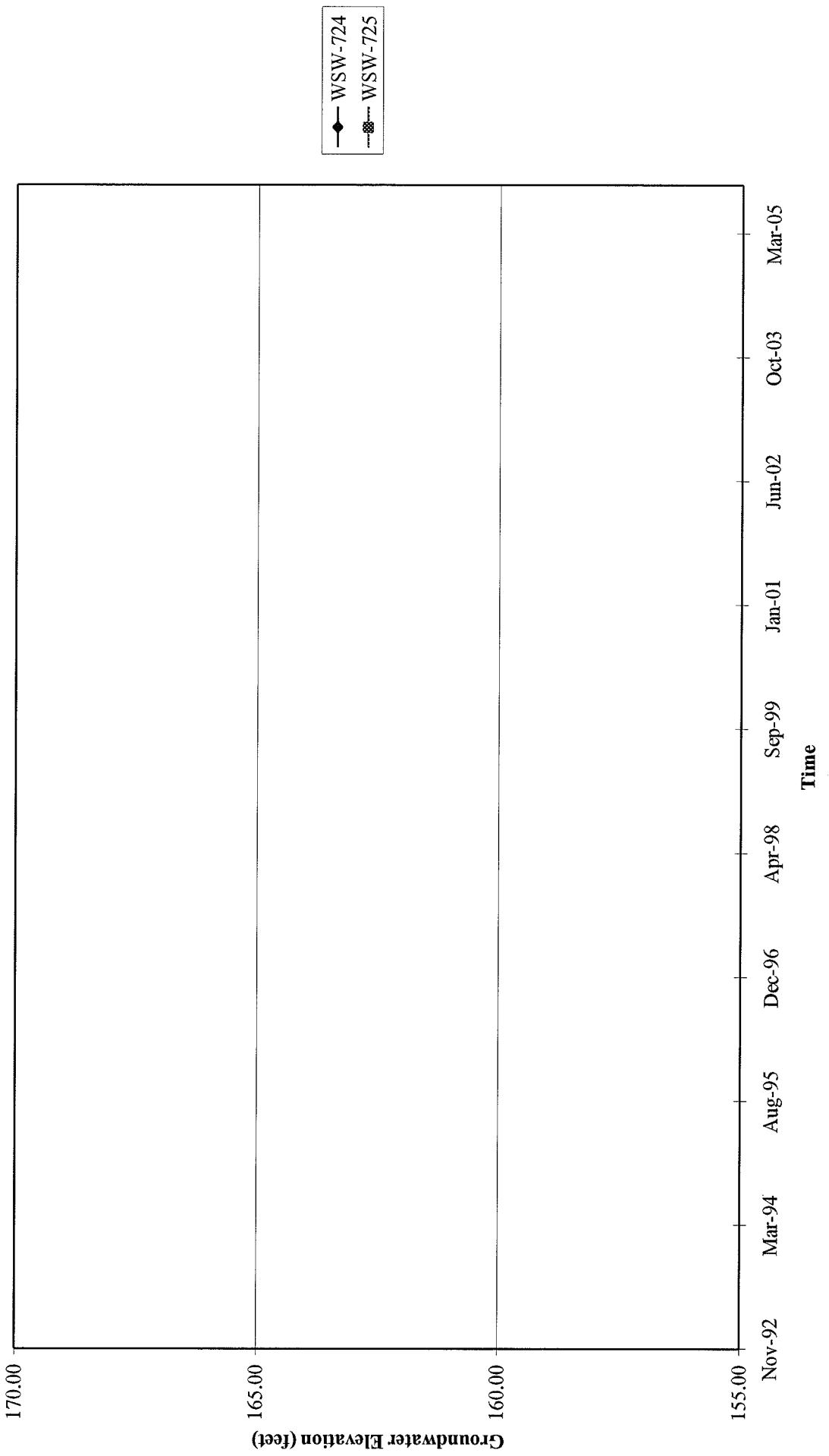
Groundwater Elevations vs. Time  
76 Station 33312



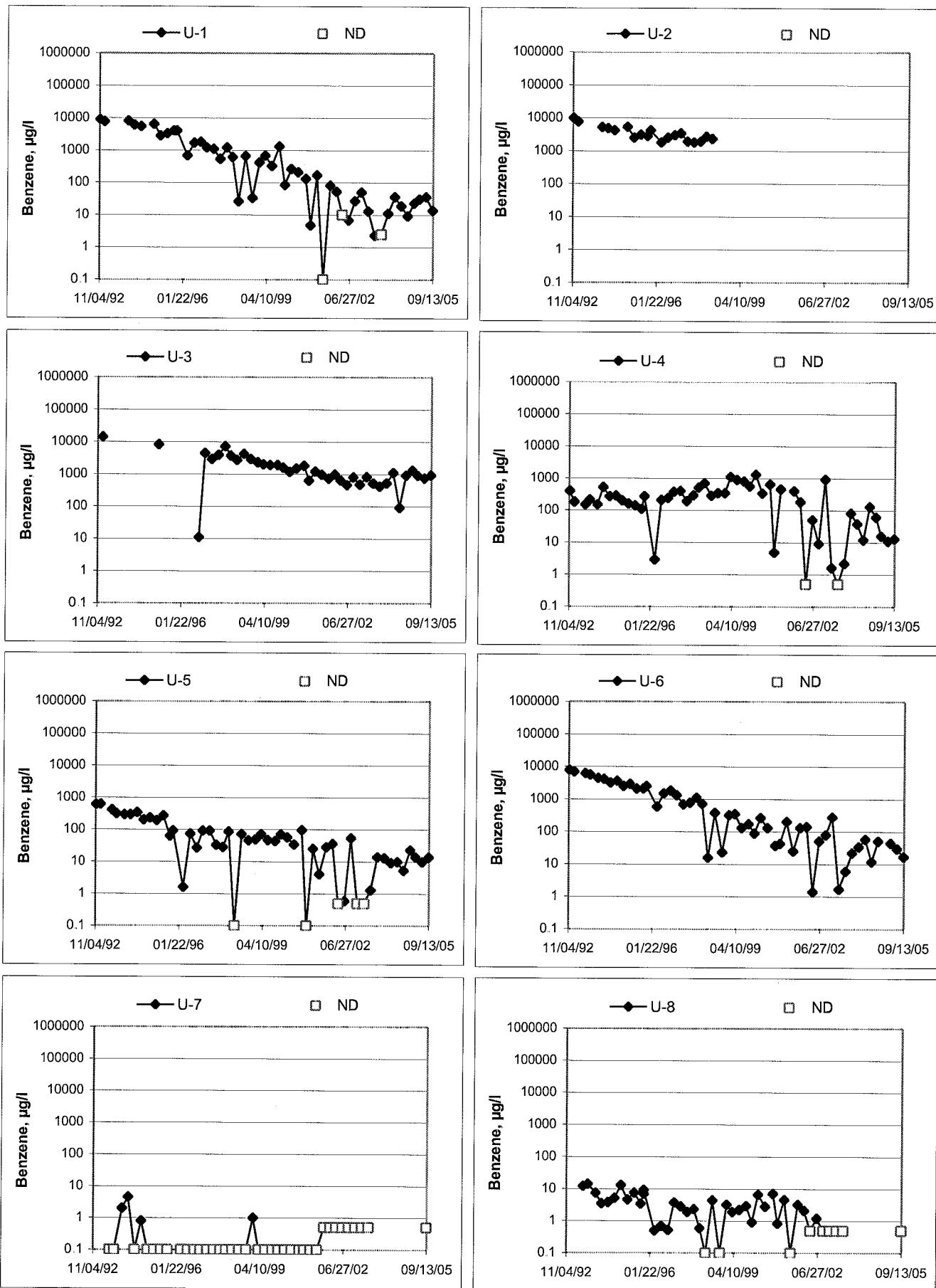
Groundwater Elevations vs. Time  
76 Station 3312



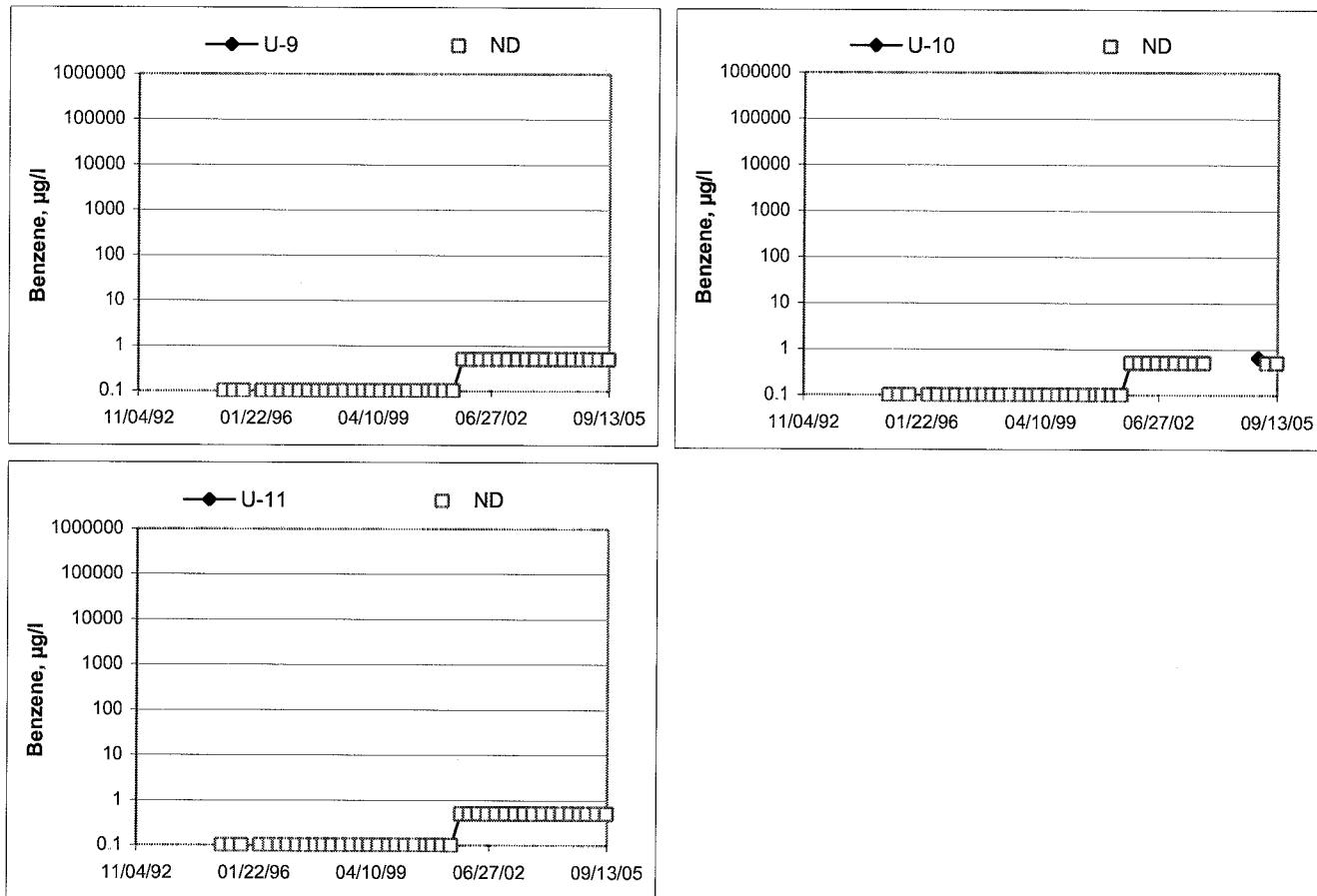
Groundwater Elevations vs. Time  
76 Station 3312



Benzene Concentrations vs Time  
76 Station 3312



**Benzene Concentrations vs Time**  
76 Station 3312



## GENERAL FIELD PROCEDURES

### **Groundwater Monitoring and Sampling Assignments**

For each site, TRC technicians are provided with a Technical Service Request (TSR) that specifies activities required to complete the groundwater monitoring and sampling assignment for the site. TSRs are based on client directives, instructions from the primary environmental consultant for the site, regulatory requirements, and TRC's previous experience with the site.

### **Fluid Level Measurements**

Initial site activities include determination of well locations based on a site map provided with the TSR. Well boxes are opened and caps are removed. Indications of well or well box damage or of pressure buildup in the well are noted.

Fluid levels in each well are measured using a coated cloth tape equipped with an electronic interface probe, which distinguishes between liquid phase hydrocarbon (LPH) and water. The depth to LPH (if it is present), to water, and to the bottom of the well are measured from the top of the well casing (surveyors mark or notch if present) to the nearest 0.01 foot. Unless otherwise instructed, a well with less than 0.67 foot between the measured top of water and the measured bottom of the well casing is considered dry, and is not sampled. If the well contains 0.67 foot or more of water, an attempt is made to bail and/or sample as specified on the TSR.

Wells that are found to contain LPH are not purged or sampled. Instead, one casing volume of fluid is bailed from the well and the well is re-sealed. Bailed fluids are placed in a container separate from normal purge water, and properly disposed.

### **Purging and Groundwater Parameter Measurement**

TSR instructions may specify that a well not be purged (no-purge sampling), be purged using low-flow methods, or be purged using conventional pump and/or bail methods. Conventional purging generally consists of pumping or bailing until a minimum of three casing volumes of water have been removed or until the well has been pumped dry. Pumping is generally accomplished using submersible electric or pneumatic diaphragm pumps.

During conventional purging, three groundwater parameters (temperature, pH, and conductivity) are measured after removal of each casing volume. Stabilization of these parameters, to within 10 percent, confirm that sufficient purging has been completed. In some cases, the TSR indicates that other parameters are also to be measured during purging. TRC commonly measures dissolved oxygen (DO), oxidation-reduction potential (ORP), and/or turbidity. Instruments used for groundwater parameter measurements are calibrated daily according to manufacturer's instructions.

Low-flow purging utilizes a bladder or peristaltic pump to remove water from the well at a low rate. Groundwater parameters specified by the TSR are measured continuously until they become stable in general accordance with EPA guidelines.

Purge water is generally collected in labeled drums for disposal. Drums may be left on site for disposal by others, or transported to a collection location for eventual transfer to a licensed treatment or recycling facility. In some cases, purge water may be collected directly from the site by a licensed vacuum truck company, or may be treated on site by an active remediation system, if so directed.

## **Groundwater Sample Collection**

After wells are purged, or not purged, according to TSR instructions, samples are collected for laboratory analysis. For wells that have been purged using conventional pump or bail methods, sampling is conducted after the well has recovered to 80 percent of its original volume or after two hours if the well does not recover to at least 80 percent. If there is insufficient recharge of water in the well after two hours, the well is not sampled.

Samples are collected by lowering a new, disposable,  $\frac{1}{2}$ -inch to 4-inch polyethylene bottom-fill bailer to just below the water level in the well. The bailer is retrieved and the water sample is carefully transferred to containers specified for the laboratory analytical methods indicated by the TSR. Particular care is given to containers for volatile organic analysis (VOAs) which require filling to zero headspace and fitting with Teflon-sealed caps.

After filling, all containers are labeled with project number (or site number), well designation, sample date, sample time, and the sampler's initials, and placed in an insulated chest with ice. Samples remain chilled prior to and during transport to a state-certified laboratory for analysis. Sample container descriptions and requested analyses are entered onto a chain-of-custody form in order to provide instructions to the laboratory. The chain-of-custody form accompanies the samples during transportation to provide a continuous record of possession from the field to the laboratory. If a freight or overnight carrier transports the samples, the carrier is noted on the form.

For wells that have been purged using low-flow methods, sample containers are filled from the effluent stream of the bladder or peristaltic pump. In some cases, if so specified by the TSR, samples are taken from the sample ports of actively pumping remediation wells.

## **Sequence of Gauging, Purging and Sampling**

The sequence in which monitoring activities are conducted are specified on the TSR. In general, wells are gauged beginning with the least affected well and ending with the well that has the highest concentration based on previous analytic results. After all gauging for the site is completed, wells are purged and/or sampled from the least-affected to the most-affected well.

## **Decontamination**

In order to reduce the possibility of cross contamination between wells, strict isolation and decontamination procedures are observed. Portable pumps are not used in wells with LPH. Technicians wear nitrile gloves during all gauging, purging and sampling activities. Gloves are changed between wells and more often if warranted. Any equipment that could come in contact with fluids are either dedicated to a particular wells, decontaminated prior to each use, or discarded after a single use. Decontamination consists of washing in a solution of Liqui-nox and water and rinsing twice. The final rinse is in deionized water.

## **Exceptions**

Additional tasks or non-standard procedures, if any, that may be requested or required for a particular site, and noted on the site TSR, are documented in field notes on the following pages.

## FIELD MONITORING DATA SHEET

Technician: John A. Hix / JAH Job #/Task #: 4-050001 / Fn20 Date: 09/06/05

Date: 09/06/05

Site # 3312 Project Manager A. Collins Page 1 of 1

## GROUNDWATER SAMPLING FIELD NOTES

Site: 3312

Technician: ALEX

Project No.: 41050001

Date: 09-06-05

Well No.: D-6

Purge Method: D/A

Depth to Water (feet): 20.15

Depth to Product (feet):

Total Depth (feet): 27.66

LPH & Water Recovered (gallons):

Water Column (feet): 7.51

Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 21.65

1 Well Volume (gallons):

Well No.: U-1

Purge Method: DIA

Depth to Water (feet): 19.64

Depth to Product (feet):

Total Depth (feet): **29.57**

LPH & Water Recovered (gallons): 6

Water Column (feet): 9.93

Casing Diameter (Inches): 3"

## GROUNDWATER SAMPLING FIELD NOTES

Site: 3312

Technician: Alex

Project No.: 410500 01

Date: 09-06-05

Well No.:  $\mu-5$

Purge Method PIA

Depth to Water (feet): 19.49

Depth to Product (feet): \_\_\_\_\_

Total Depth (feet): **27.70**

LPH & Water Recovered (gallons): \_\_\_\_\_

Total Depth (feet) \_\_\_\_\_ 8-21

Casing Diameter (Inches): 2"

Water Column (feet): 21.13

1000-1000-1000-1000

Well No.: J-4

Purge Method: PIA

Depth to Water (feet): 19.28

Depth to Product (feet): 2

Total Depth (feet): 27.32

LPH & Water Recovered (gallons): 6

Water Column (feet) 8.54

Casing Diameter (Inches):

Water Column (sec.)

1. Well Volume (gallons):

## GROUNDWATER SAMPLING FIELD NOTES

**Site:** 3312

Technician: Aux

Project No.: 4185000

Date: 09-06-05

Well No.: U-3

Purge Method. DIA

Depth to Water (feet): 19.74

Depth to Product (feet): \_\_\_\_\_

Total Depth (feet): 29.52

LPH & Water Recovered (gallons): \_\_\_\_\_

Water Column (feet): **9.78**

Casing Diameter (Inches): 3"

80% Recharge Depth (feet): 21.49

1 Well Volume (gallons):

Well No.: \_\_\_\_\_

Purge Method: \_\_\_\_\_

Depth to Water (feet): \_\_\_\_\_

Depth to Product (feet): \_\_\_\_\_

Total Depth (feet): \_\_\_\_\_

LPH & Water Recovered (gallons): \_\_\_\_\_

Water Column (feet): \_\_\_\_\_

Casing Diameter (Inches): \_\_\_\_\_

80% Recharge Depth (feet): \_\_\_\_\_

1 Well Volume (gallons): \_\_\_\_\_

## GROUNDWATER SAMPLING FIELD NOTES

Technician: S-157

Site: 3312

Project No.: 905001-1420

Date: 09/06/05

Well No.: 4-11

Purge Method: OIA

Depth to Water (feet): 20.43

Depth to Product (feet): \_\_\_\_\_

Total Depth (feet): 29.69

LPH & Water Recovered (gallons): 4

Water Column (feet): 9.26

Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 22.28

1 Well Volume (gallons): \_\_\_\_\_

Well No.: 4 - 8

Purge Method: DIA

Depth to Water (feet): 19.37

Depth to Product (feet): \_\_\_\_\_

Total Depth (feet): 2936

LPH & Water Recovered (gallons): \_\_\_\_\_

Water Column (feet): 9.99

Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 21.36

1 Well Volume (gallons): 2

## GROUNDWATER SAMPLING FIELD NOTES

Technician: John

Site: 3312

Project No.: 4052001 16120

Date: 09/06/05

Well No.: U-7

Purge Method: D.A

Depth to Water (feet): 19.56

Depth to Product (feet): 8

Total Depth (feet): 29.35

1. PH & Water Recovered (gallons): *6*

Water Column (feet) 9.79

EFH & Water Recovered (gallons):

Water Column (feet): 21.51

Casing Diameter (inches). 2

Well No.: U-9

Purge Method: D/A

Depth to Water (feet): 20.74

Depth to Product (feet): \_\_\_\_\_

Total Depth (feet): 29.66

LPH & Water Recovered (gallons): 8

Water Column (feet): 8.92

Casing Diameter (Inches): 2

80% Recharge Depth (feet): 22.52

1 Well Volume (gallons): \_\_\_\_\_ /

## GROUNDWATER SAMPLING FIELD NOTES

Technician: 1024-87

Site: 3312

Project No.: 41050001 KN20

Date: 09/06/05

Well No.: 6-10

Purge Method: DIB

Depth to Water (feet): 21.06

Depth to Product (feet): \_\_\_\_\_

Total Depth (feet): 25.96

| PH & Water Recovered (gallons): 4

Water Column (feet): 4.63

Casing Diameter (Inches): 2"

80% Bechams Depth (feet): 22.26

1 H(") Volume (gallons):

Well No.: \_\_\_\_\_

Purge Method: \_\_\_\_\_

Depth to Water (feet): \_\_\_\_\_

Depth to Product (feet): \_\_\_\_\_

Total Depth (feet): \_\_\_\_\_

LPH & Water Recovered (gallons): \_\_\_\_\_

Water Column (feet): \_\_\_\_\_

Casing Diameter (Inches): \_\_\_\_\_

80% Recharge Depth (feet): \_\_\_\_\_

1 Well Volume (gallons): \_\_\_\_\_



Date of Report: 09/27/2005

Anju Farfan

TRC Alton Geoscience  
21 Technology Drive  
Irvine, CA 92618-2302

RE: 3312

BC Lab Number: 0508813

Enclosed are the results of analyses for samples received by the laboratory on 09/06/05 22:15. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Vanessa Surratt".

Contact Person: Vanessa Surratt  
Client Service Rep

\_\_\_\_\_  
Authorized Signature

A handwritten signature in black ink, appearing to read "Vanessa Surratt".



**Laboratories, Inc**

TRC Alton Geoscience  
21 Technology Drive  
Irvine CA, 92618-2302

Project: 3312  
Project Number: [none]  
Project Manager: Anju Farfan

Reported: 09/27/05 08:49

## Laboratory / Client Sample Cross Reference

### Laboratory    Client Sample Information

0508813-01	COC Number:	---	Receive Date:	09/06/05 22:15	Delivery Work Order (LabW:
	Project Number:	3312	Sampling Date:	09/06/05 08:35	Global ID: T0609700657
	Sampling Location:	U-5	Sample Depth:	---	Matrix: W
	Sampling Point:	U-5	Sample Matrix:	Water	Samle QC Type (SACode): CS
	Sampled By:	Basi/Alex of TRCI	Cooler ID:		
0508813-02	COC Number:	---	Receive Date:	09/06/05 22:15	Delivery Work Order (LabW:
	Project Number:	3312	Sampling Date:	09/06/05 08:54	Global ID: T0609700657
	Sampling Location:	U-4	Sample Depth:	---	Matrix: W
	Sampling Point:	U-4	Sample Matrix:	Water	Samle QC Type (SACode): CS
	Sampled By:	Basi/Alex of TRCI	Cooler ID:		
0508813-03	COC Number:	---	Receive Date:	09/06/05 22:15	Delivery Work Order (LabW:
	Project Number:	3312	Sampling Date:	09/06/05 09:14	Global ID: T0609700657
	Sampling Location:	U-6	Sample Depth:	---	Matrix: W
	Sampling Point:	U-6	Sample Matrix:	Water	Samle QC Type (SACode): CS
	Sampled By:	Basi/Alex of TRCI	Cooler ID:		
0508813-04	COC Number:	---	Receive Date:	09/06/05 22:15	Delivery Work Order (LabW:
	Project Number:	3312	Sampling Date:	09/06/05 10:05	Global ID: T0609700657
	Sampling Location:	U-3	Sample Depth:	---	Matrix: W
	Sampling Point:	U-3	Sample Matrix:	Water	Samle QC Type (SACode): CS
	Sampled By:	Basi/Alex of TRCI	Cooler ID:		
0508813-05	COC Number:	---	Receive Date:	09/06/05 22:15	Delivery Work Order (LabW:
	Project Number:	3312	Sampling Date:	09/06/05 09:43	Global ID: T0609700657
	Sampling Location:	U-1	Sample Depth:	---	Matrix: W
	Sampling Point:	U-1	Sample Matrix:	Water	Samle QC Type (SACode): CS
	Sampled By:	Basi/Alex of TRCI	Cooler ID:		



**Laboratories, Inc**

TRC Alton Geoscience  
21 Technology Drive  
Irvine CA, 92618-2302

Project: 3312  
Project Number: [none]  
Project Manager: Anju Farfan

Reported: 09/27/05 08:49

## Laboratory / Client Sample Cross Reference

### Laboratory    Client Sample Information

0508813-06	COC Number:	---	Receive Date:	09/06/05 22:15	Delivery Work Order (LabW:
	Project Number:	3312	Sampling Date:	09/06/05 10:21	Global ID: T0609700657
	Sampling Location:	WSW-725	Sample Depth:	---	Matrix: W
	Sampling Point:	WSW-725	Sample Matrix:	Water	Samle QC Type (SACode): CS
	Sampled By:	Basi/Alex of TRCI	Cooler ID:		
0508813-07	COC Number:	---	Receive Date:	09/06/05 22:15	Delivery Work Order (LabW:
	Project Number:	3312	Sampling Date:	09/06/05 10:35	Global ID: T0609700657
	Sampling Location:	WSW-700	Sample Depth:	---	Matrix: W
	Sampling Point:	WSW-700	Sample Matrix:	Water	Samle QC Type (SACode): CS
	Sampled By:	Basi/Alex of TRCI	Cooler ID:		
0508813-08	COC Number:	---	Receive Date:	09/06/05 22:15	Delivery Work Order (LabW:
	Project Number:	3312	Sampling Date:	09/06/05 08:21	Global ID: T0609700657
	Sampling Location:	U-11	Sample Depth:	---	Matrix: W
	Sampling Point:	U-11	Sample Matrix:	Water	Samle QC Type (SACode): CS
	Sampled By:	Basi/Alex of TRCI	Cooler ID:		
0508813-09	COC Number:	---	Receive Date:	09/06/05 22:15	Delivery Work Order (LabW:
	Project Number:	3312	Sampling Date:	09/06/05 08:40	Global ID: T0609700657
	Sampling Location:	U-8	Sample Depth:	---	Matrix: W
	Sampling Point:	U-8	Sample Matrix:	Water	Samle QC Type (SACode): CS
	Sampled By:	Basi/Alex of TRCI	Cooler ID:		
0508813-10	COC Number:	---	Receive Date:	09/06/05 22:15	Delivery Work Order (LabW:
	Project Number:	3312	Sampling Date:	09/06/05 08:58	Global ID: T0609700657
	Sampling Location:	U-7	Sample Depth:	---	Matrix: W
	Sampling Point:	U-7	Sample Matrix:	Water	Samle QC Type (SACode): CS
	Sampled By:	Alex of TRCI	Cooler ID:		



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## Laboratory / Client Sample Cross Reference

### Laboratory Client Sample Information

<b>0508813-11</b>	<b>COC Number:</b>	---	<b>Receive Date:</b>	09/06/05 22:15
	<b>Project Number:</b>	3312	<b>Sampling Date:</b>	09/06/05 09:20
	<b>Sampling Location:</b>	U-9	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	U-9	<b>Sample Matrix:</b>	Water
	<b>Sampled By:</b>	Basi/Alex of TRCI	<b>Samle QC Type (SACode):</b>	CS
			<b>Cooler ID:</b>	

<b>0508813-12</b>	<b>COC Number:</b>	---	<b>Receive Date:</b>	09/06/05 22:15
	<b>Project Number:</b>	3312	<b>Sampling Date:</b>	09/06/05 09:40
	<b>Sampling Location:</b>	U-10	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	U-10	<b>Sample Matrix:</b>	Water
	<b>Sampled By:</b>	Basi/Alex of TRCI	<b>Samle QC Type (SACode):</b>	CS
			<b>Cooler ID:</b>	



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## Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID:	0508813-01	Client Sample Name:	3312, U-5, 9/6/2005	8:35:00AM, Basi/Alex										
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Date/Time	Analyst	Instrument ID	Dilution	Batch ID	QC	MB	Lab Quals

Benzene	14	ug/L	0.50		EPA-8260	09/07/05	09/08/05 06:52	svm	MS-V4	1	BOJ0163	ND		
Ethylbenzene	64	ug/L	0.50		EPA-8260	09/07/05	09/08/05 06:52	svm	MS-V4	1	BOJ0163	ND		
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	09/07/05	09/08/05 06:52	svm	MS-V4	1	BOJ0163	ND		
Toluene	0.91	ug/L	0.50		EPA-8260	09/07/05	09/08/05 06:52	svm	MS-V4	1	BOJ0163	ND		
Total Xylenes	43	ug/L	1.0		EPA-8260	09/07/05	09/08/05 06:52	svm	MS-V4	1	BOJ0163	ND		
Total Purgeable Petroleum Hydrocarbons	4500	ug/L	2500		EPA-8260	09/07/05	09/08/05 17:01	svm	MS-V4	50	BOJ0163	ND	A01	
1,2-Dichloroethane-d4 (Surrogate)	97.8	%	76 - 114 (LCL - UCL)	EPA-8260	09/07/05	09/08/05 06:52	svm	MS-V4	1	BOJ0163				
1,2-Dichloroethane-d4 (Surrogate)	96.9	%	76 - 114 (LCL - UCL)	EPA-8260	09/07/05	09/08/05 17:01	svm	MS-V4	50	BOJ0163				
Toluene-d8 (Surrogate)	98.8	%	88 - 110 (LCL - UCL)	EPA-8260	09/07/05	09/08/05 17:01	svm	MS-V4	50	BOJ0163				
Toluene-d8 (Surrogate)	100	%	88 - 110 (LCL - UCL)	EPA-8260	09/07/05	09/08/05 06:52	svm	MS-V4	1	BOJ0163				
4-Bromofluorobenzene (Surrogate)	90.5	%	86 - 115 (LCL - UCL)	EPA-8260	09/07/05	09/08/05 17:01	svm	MS-V4	50	BOJ0163				
4-Bromofluorobenzene (Surrogate)	98.8	%	86 - 115 (LCL - UCL)	EPA-8260	09/07/05	09/08/05 06:52	svm	MS-V4	1	BOJ0163				



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## Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0508813-02 Client Sample Name: 3312, U-4, U-4, 9/6/2005 8:54:00AM, Bas/alex

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	13	ug/L	0.50		EPA-8260	09/07/05 09/08/05 07:22	svm	MS-V4	1	BOJ0163	ND		
Ethylbenzene	94	ug/L	25		EPA-8260	09/07/05 09/08/05 17:31	svm	MS-V4	50	BOJ0163	ND	A01	
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	09/07/05 09/08/05 07:22	svm	MS-V4	1	BOJ0163	ND		
Toluene	0.56	ug/L	0.50		EPA-8260	09/07/05 09/08/05 07:22	svm	MS-V4	1	BOJ0163	ND		
Total Xylenes	4.3	ug/L	1.0		EPA-8260	09/07/05 09/08/05 07:22	svm	MS-V4	1	BOJ0163	ND		
Total Purgeable Petroleum Hydrocarbons	4500	ug/L	2500		EPA-8260	09/07/05 09/08/05 17:31	svm	MS-V4	50	BOJ0163	ND	A01	
1,2-Dichloroethane-d4 (Surrogate)	97.5	%	76 - 114	(LCL - UCL)	EPA-8260	09/07/05 09/08/05 07:22	svm	MS-V4	1	BOJ0163			
1,2-Dichloroethane-d4 (Surrogate)	93.4	%	76 - 114	(LCL - UCL)	EPA-8260	09/07/05 09/08/05 17:31	svm	MS-V4	50	BOJ0163			
Toluene-d8 (Surrogate)	99.8	%	88 - 110	(LCL - UCL)	EPA-8260	09/07/05 09/08/05 07:22	svm	MS-V4	1	BOJ0163			
Toluene-d8 (Surrogate)	99.5	%	88 - 110	(LCL - UCL)	EPA-8260	09/07/05 09/08/05 17:31	svm	MS-V4	50	BOJ0163			
4-Bromofluorobenzene (Surrogate)	92.4	%	86 - 115	(LCL - UCL)	EPA-8260	09/07/05 09/08/05 17:31	svm	MS-V4	50	BOJ0163			
4-Bromofluorobenzene (Surrogate)	96.8	%	86 - 115	(LCL - UCL)	EPA-8260	09/07/05 09/08/05 07:22	svm	MS-V4	1	BOJ0163			



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## Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0508813-03 Client Sample Name: 3312, U-6, U-6, 9/6/2005 9:14:00AM, Bas/alex

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Date/Time	Analyst	Instru-ment ID	Dilution	Batch ID	QC	MB	Lab Quals
Benzene	17	ug/L	5.0		EPA-8260	09/07/05	09/08/05 07:52	svm	MS-V4	10	BO10163	ND	A01	
Bromodichloromethane	ND	ug/L	5.0		EPA-8260	09/07/05	09/08/05 07:52	svm	MS-V4	10	BO10163	ND	A01	
Bromoform	ND	ug/L	5.0		EPA-8260	09/07/05	09/08/05 07:52	svm	MS-V4	10	BO10163	ND	A01	
Bromomethane	ND	ug/L	10		EPA-8260	09/07/05	09/08/05 07:52	svm	MS-V4	10	BO10163	ND	A01	
Carbon tetrachloride	ND	ug/L	5.0		EPA-8260	09/07/05	09/08/05 07:52	svm	MS-V4	10	BO10163	ND	A01	
Chlorobenzene	ND	ug/L	5.0		EPA-8260	09/07/05	09/08/05 07:52	svm	MS-V4	10	BO10163	ND	A01	
Chloroethane	ND	ug/L	5.0		EPA-8260	09/07/05	09/08/05 07:52	svm	MS-V4	10	BO10163	ND	A01	
Chloroform	ND	ug/L	5.0		EPA-8260	09/07/05	09/08/05 07:52	svm	MS-V4	10	BO10163	ND	A01	
Chloromethane	ND	ug/L	5.0		EPA-8260	09/07/05	09/08/05 07:52	svm	MS-V4	10	BO10163	ND	A01	
Dibromochloromethane	ND	ug/L	5.0		EPA-8260	09/07/05	09/08/05 07:52	svm	MS-V4	10	BO10163	ND	A01	
1,2-Dichlorobenzene	ND	ug/L	5.0		EPA-8260	09/07/05	09/08/05 07:52	svm	MS-V4	10	BO10163	ND	A01	
1,3-Dichlorobenzene	ND	ug/L	5.0		EPA-8260	09/07/05	09/08/05 07:52	svm	MS-V4	10	BO10163	ND	A01	
1,4-Dichlorobenzene	ND	ug/L	5.0		EPA-8260	09/07/05	09/08/05 07:52	svm	MS-V4	10	BO10163	ND	A01	
Dichlorodifluoromethane	ND	ug/L	5.0		EPA-8260	09/07/05	09/08/05 07:52	svm	MS-V4	10	BO10163	ND	A01	
1,1-Dichloroethane	ND	ug/L	5.0		EPA-8260	09/07/05	09/08/05 07:52	svm	MS-V4	10	BO10163	ND	A01	
1,2-Dichloroethane	ND	ug/L	5.0		EPA-8260	09/07/05	09/08/05 07:52	svm	MS-V4	10	BO10163	ND	A01	
1,1-Dichloroethene	ND	ug/L	5.0		EPA-8260	09/07/05	09/08/05 07:52	svm	MS-V4	10	BO10163	ND	A01	
cis-1,2-Dichloroethene	ND	ug/L	5.0		EPA-8260	09/07/05	09/08/05 07:52	svm	MS-V4	10	BO10163	ND	A01	
trans-1,2-Dichloroethene	ND	ug/L	5.0		EPA-8260	09/07/05	09/08/05 07:52	svm	MS-V4	10	BO10163	ND	A01	
1,2-Dichloropropane	ND	ug/L	5.0		EPA-8260	09/07/05	09/08/05 07:52	svm	MS-V4	10	BO10163	ND	A01	
cis-1,3-Dichloropropene	ND	ug/L	5.0		EPA-8260	09/07/05	09/08/05 07:52	svm	MS-V4	10	BO10163	ND	A01	
trans-1,3-Dichloropropene	ND	ug/L	5.0		EPA-8260	09/07/05	09/08/05 07:52	svm	MS-V4	10	BO10163	ND	A01	
Ethylbenzene	130	ug/L	5.0		EPA-8260	09/07/05	09/08/05 07:52	svm	MS-V4	10	BO10163	ND	A01	



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## Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0508813-03 Client Sample Name: 3312, U-6, U-6, 9/6/2005 9:14:00AM, Basí/Alex

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	Batch ID	QC	MB Bias	Lab Quals
Methylene chloride	ND	ug/L	10		EPA-8260	09/07/05	09/08/05 07:52	svm	MS-V4	10	BOJ0163	ND	A01	
Methyl t-butyl ether	ND	ug/L	5.0		EPA-8260	09/07/05	09/08/05 07:52	svm	MS-V4	10	BOJ0163	ND	A01	
Methyl t-butyl ether	ND	ug/L	5.0		EPA-8260	09/07/05	09/08/05 07:52	svm	MS-V4	10	BOJ0163	ND	A01	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0		EPA-8260	09/07/05	09/08/05 07:52	svm	MS-V4	10	BOJ0163	ND	A01	
Tetrachloroethene	ND	ug/L	5.0		EPA-8260	09/07/05	09/08/05 07:52	svm	MS-V4	10	BOJ0163	ND	A01	
Toluene	ND	ug/L	5.0		EPA-8260	09/07/05	09/08/05 07:52	svm	MS-V4	10	BOJ0163	ND	A01	
1,1,1-Trichloroethane	ND	ug/L	5.0		EPA-8260	09/07/05	09/08/05 07:52	svm	MS-V4	10	BOJ0163	ND	A01	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/L	5.0		EPA-8260	09/07/05	09/08/05 07:52	svm	MS-V4	10	BOJ0163	ND	A01	
Trichloroethene	ND	ug/L	5.0		EPA-8260	09/07/05	09/08/05 07:52	svm	MS-V4	10	BOJ0163	ND	A01	
Trichlorofluoromethane	ND	ug/L	5.0		EPA-8260	09/07/05	09/08/05 07:52	svm	MS-V4	10	BOJ0163	ND	A01	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/L	5.0		EPA-8260	09/07/05	09/08/05 07:52	svm	MS-V4	10	BOJ0163	ND	A01	
Vinyl chloride	ND	ug/L	5.0		EPA-8260	09/07/05	09/08/05 07:52	svm	MS-V4	10	BOJ0163	ND	A01	
Total Xylenes	83	ug/L	10		EPA-8260	09/07/05	09/08/05 07:52	svm	MS-V4	10	BOJ0163	ND	A01	
Total Purgeable Petroleum Hydrocarbons	4600	ug/L	500		EPA-8260	09/07/05	09/08/05 07:52	svm	MS-V4	10	BOJ0163	ND	A01	
1,2-Dichloroethane-d4 (Surrogate)	90.5	%	76 - 114 (LCL - UCL)	EPA-8260	09/07/05	09/08/05 07:52	svm	MS-V4	10	BOJ0163				
1,2-Dichloroethane-d4 (Surrogate)	90.5	%	76 - 114 (LCL - UCL)	EPA-8260	09/07/05	09/08/05 07:52	svm	MS-V4	10	BOJ0163			A01	
Toluene-d8 (Surrogate)	103	%	88 - 110 (LCL - UCL)	EPA-8260	09/07/05	09/08/05 07:52	svm	MS-V4	10	BOJ0163			A01	
Toluene-d8 (Surrogate)	103	%	88 - 110 (LCL - UCL)	EPA-8260	09/07/05	09/08/05 07:52	svm	MS-V4	10	BOJ0163			A01	
4-Bromofluorobenzene (Surrogate)	93.1	%	86 - 115 (LCL - UCL)	EPA-8260	09/07/05	09/08/05 07:52	svm	MS-V4	10	BOJ0163			A01	
4-Bromofluorobenzene (Surrogate)	93.1	%	86 - 115 (LCL - UCL)	EPA-8260	09/07/05	09/08/05 07:52	svm	MS-V4	10	BOJ0163				



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## Total Petroleum Hydrocarbons

BCL Sample ID: 0508813-03 Client Sample Name: 3312, U-6, U-6, 9/6/2005 9:14:00AM, Basi/Alex

Constituent	Result	Units	PQL	MDL	Method	Prep	Run	Date/Time	Analyst	Instrument	QC	MB	Lab	Quals
Diesel Range Organics (C12 - C24)	2000	ug/L	200		Luft/TPHd	09/08/05	09/10/05 01:53	VTR		GC-2	1	BO10331	ND	A52
Tetracosane (Surrogate)	78.8	%	42 - 125 (LCL - UCL)		Luft/TPHd	09/08/05	09/10/05 01:53	VTR		GC-2	1	BO10331		



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## Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0508813-04 Client Sample Name: 3312, U-3, U-3, 9/6/2005 10:05:00AM, Basit/Alex

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	930	ug/L	5.0		EPA-8260	09/07/05	09/08/05 08:22	svm	MS-V4	10	BO10163	ND	A01
Ethylbenzene	510	ug/L	5.0		EPA-8260	09/07/05	09/08/05 08:22	svm	MS-V4	10	BO10163	ND	A01
Methyl t-butyl ether	120	ug/L	5.0		EPA-8260	09/07/05	09/08/05 08:22	svm	MS-V4	10	BO10163	ND	A01
Toluene	7.5	ug/L	5.0		EPA-8260	09/07/05	09/08/05 08:22	svm	MS-V4	10	BO10163	ND	A01
Total Xylenes	390	ug/L	10		EPA-8260	09/07/05	09/08/05 08:22	svm	MS-V4	10	BO10163	ND	A01
Total Purgeable Petroleum Hydrocarbons	11000	ug/L	500		EPA-8260	09/07/05	09/08/05 08:22	svm	MS-V4	10	BO10163	ND	A01
1,2-Dichloroethane-d4 (Surrogate)	89.7	%	76 - 114	(LCL - UCL)	EPA-8260	09/07/05	09/08/05 08:22	svm	MS-V4	10	BO10163	ND	A01
Toluene-d8 (Surrogate)	100	%	88 - 110	(LCL - UCL)	EPA-8260	09/07/05	09/08/05 08:22	svm	MS-V4	10	BO10163	ND	A01
4-Bromofluorobenzene (Surrogate)	94.8	%	86 - 115	(LCL - UCL)	EPA-8260	09/07/05	09/08/05 08:22	svm	MS-V4	10	BO10163	ND	A01



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## Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0508813-05 Client Sample Name: 3312, U-1, U-1, 9/6/2005 9:43:00AM, Bas/alex

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Date/Time	Analyst	Instrument ID	Dilution	Batch ID	QC	MB	Lab	Quals
Benzene	14	ug/L	5.0		EPA-8260	09/07/05	09/08/05 08:53	svm	MS-V4	10	BOJ0163	ND		A01	
Ethylbenzene	78	ug/L	5.0		EPA-8260	09/07/05	09/08/05 08:53	svm	MS-V4	10	BOJ0163	ND		A01	
Methyl t-butyl ether	ND	ug/L	5.0		EPA-8260	09/07/05	09/08/05 08:53	svm	MS-V4	10	BOJ0163	ND		A01	
Toluene	ND	ug/L	5.0		EPA-8260	09/07/05	09/08/05 08:53	svm	MS-V4	10	BOJ0163	ND		A01	
Total Xylenes	45	ug/L	10		EPA-8260	09/07/05	09/08/05 08:53	svm	MS-V4	10	BOJ0163	ND		A01	
Total Purgeable Petroleum Hydrocarbons	6300	ug/L	500		EPA-8260	09/07/05	09/08/05 08:53	svm	MS-V4	10	BOJ0163	ND		A01	
1,2-Dichloroethane-d4 (Surrogate)	89.2	%	76 - 114 (LCL - UCL)		EPA-8260	09/07/05	09/08/05 08:53	svm	MS-V4	10	BOJ0163			A01	
Toluene-d8 (Surrogate)	101	%	88 - 110 (LCL - UCL)		EPA-8260	09/07/05	09/08/05 08:53	svm	MS-V4	10	BOJ0163			A01	
4-Bromofluorobenzene (Surrogate)	91.2	%	86 - 115 (LCL - UCL)		EPA-8260	09/07/05	09/08/05 08:53	svm	MS-V4	10	BOJ0163			A01	



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## Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID:		0508813-06		Client Sample Name:		3312, WSW-725, WSW-725, 9/6/2005 10:21:00AM, Bas/Alex		Prep Run	Instrument ID	Analyst	Dilution	QC	MB	Lab Quals
Constituent	Result	Units	PQL	MDL	Method	Date	Date/Time							
Benzene	ND	ug/L	0.50		EPA-8260	09/07/05	09:08/05 09:53	svm	MS-V4	1	BO10163	ND		
Ethylbenzene	ND	ug/L	0.50		EPA-8260	09/07/05	09:08/05 09:53	svm	MS-V4	1	BO10163	ND		
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	09/07/05	09:08/05 09:53	svm	MS-V4	1	BO10163	ND		
Toluene	ND	ug/L	0.50		EPA-8260	09/07/05	09:08/05 09:53	svm	MS-V4	1	BO10163	ND		
Total Xylenes	ND	ug/L	1.0		EPA-8260	09/07/05	09:08/05 09:53	svm	MS-V4	1	BO10163	ND		
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		EPA-8260	09/07/05	09:08/05 09:53	svm	MS-V4	1	BO10163	ND		
1,2-Dichloroethane-d4 (Surrogate)	86.1	%	76 - 114 (LCL - UCL)		EPA-8260	09/07/05	09:08/05 09:53	svm	MS-V4	1	BO10163			
Toluene-d8 (Surrogate)	98.6	%	88 - 110 (LCL - UCL)		EPA-8260	09/07/05	09:08/05 09:53	svm	MS-V4	1	BO10163			
4-Bromofluorobenzene (Surrogate)	88.0	%	86 - 115 (LCL - UCL)		EPA-8260	09/07/05	09:08/05 09:53	svm	MS-V4	1	BO10163			



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## Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID:	0508813-07	Client Sample Name:	3312, WSW-700, WSW-700, 9/6/2005 10:35:00AM, Basi/Alex											
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	Batch ID	QC	MB	Lab Quals

Benzene	ND	ug/L	0.50	EPA-8260	09/07/05 09:07/05 20:24	svm	MS-V4	1	BOI0163	ND				
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	09/07/05 09:07/05 20:24	svm	MS-V4	1	BOI0163	ND				
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260	09/07/05 09:07/05 20:24	svm	MS-V4	1	BOI0163	ND				
Ethylbenzene	ND	ug/L	0.50	EPA-8260	09/07/05 09:07/05 20:24	svm	MS-V4	1	BOI0163	ND				
Methyl t-butyl ether	ND	ug/L	0.50	EPA-8260	09/07/05 09:07/05 20:24	svm	MS-V4	1	BOI0163	ND				
Toluene	ND	ug/L	0.50	EPA-8260	09/07/05 09:07/05 20:24	svm	MS-V4	1	BOI0163	ND				
Total Xylenes	ND	ug/L	1.0	EPA-8260	09/07/05 09:07/05 20:24	svm	MS-V4	1	BOI0163	ND				
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260	09/07/05 09:07/05 20:24	svm	MS-V4	1	BOI0163	ND				
t-Butyl alcohol	ND	ug/L	10	EPA-8260	09/07/05 09:07/05 20:24	svm	MS-V4	1	BOI0163	ND				
Diisopropyl ether	ND	ug/L	0.50	EPA-8260	09/07/05 09:07/05 20:24	svm	MS-V4	1	BOI0163	ND				
Ethanol	ND	ug/L	1000	EPA-8260	09/07/05 09:07/05 20:24	svm	MS-V4	1	BOI0163	ND				
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260	09/07/05 09:07/05 20:24	svm	MS-V4	1	BOI0163	ND				
Total Purgeable Petroleum Hydrocarbons	55	ug/L	50	EPA-8260	09/07/05 09:07/05 20:24	svm	MS-V4	1	BOI0163	ND	A53			
1,2-Dichloroethane-d4 (Surrogate)	94.9	%	76 - 114 (LCL - UCL)	EPA-8260	09/07/05 09:07/05 20:24	svm	MS-V4	1	BOI0163					
Toluene-d8 (Surrogate)	97.3	%	88 - 110 (LCL - UCL)	EPA-8260	09/07/05 09:07/05 20:24	svm	MS-V4	1	BOI0163					
4-Bromofluorobenzene (Surrogate)	89.9	%	86 - 115 (LCL - UCL)	EPA-8260	09/07/05 09:07/05 20:24	svm	MS-V4	1	BOI0163					



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## Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0508813-08 Client Sample Name: 3312, U-11, U-11, 9/6/2005 8:21:00AM, Basi/Alex

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	09/07/05	09/08/05 18:30	svm	MS-V4	1	BOJ0163	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	09/07/05	09/08/05 18:30	svm	MS-V4	1	BOJ0163	ND	
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	09/07/05	09/08/05 18:30	svm	MS-V4	1	BOJ0163	ND	
Toluene	ND	ug/L	0.50		EPA-8260	09/07/05	09/08/05 18:30	svm	MS-V4	1	BOJ0163	ND	
Total Xylenes	ND	ug/L	1.0		EPA-8260	09/07/05	09/08/05 18:30	svm	MS-V4	1	BOJ0163	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		EPA-8260	09/07/05	09/08/05 18:30	svm	MS-V4	1	BOJ0163	ND	
1,2-Dichloroethane-d4 (Surrogate)	100	%	76 - 114	(LCL - UCL)	EPA-8260	09/07/05	09/08/05 18:30	svm	MS-V4	1	BOJ0163		
Toluene-d8 (Surrogate)	93.8	%	88 - 110	(LCL - UCL)	EPA-8260	09/07/05	09/08/05 18:30	svm	MS-V4	1	BOJ0163		
4-Bromofluorobenzene (Surrogate)	88.4	%	86 - 115	(LCL - UCL)	EPA-8260	09/07/05	09/08/05 18:30	svm	MS-V4	1	BOJ0163		



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## Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0508813-09 Client Sample Name: 3312, U-8, U-8, 9/6/2005 8:40:00AM, Bas/alex

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	09/07/05	09/08/05 19:00	svm	MS-V4	1	BOJ0163	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	09/07/05	09/08/05 19:00	svm	MS-V4	1	BOJ0163	ND	
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	09/07/05	09/08/05 19:00	svm	MS-V4	1	BOJ0163	ND	
Toluene	ND	ug/L	0.50		EPA-8260	09/07/05	09/08/05 19:00	svm	MS-V4	1	BOJ0163	ND	
Total Xylenes	ND	ug/L	1.0		EPA-8260	09/07/05	09/08/05 19:00	svm	MS-V4	1	BOJ0163	ND	
Total Purgeable Petroleum Hydrocarbons	83	ug/L	50		EPA-8260	09/07/05	09/08/05 19:00	svm	MS-V4	1	BOJ0163	ND	
1,2-Dichloroethane-d4 (Surrogate)	95.5	%	76 - 114 (LCL - UCL)	EPA-8260	09/07/05	09/08/05 19:00	svm	MS-V4	1	BOJ0163			
Toluene-d8 (Surrogate)	88.9	%	88 - 110 (LCL - UCL)	EPA-8260	09/07/05	09/08/05 19:00	svm	MS-V4	1	BOJ0163			
4-Bromofluorobenzene (Surrogate)	87.6	%	86 - 115 (LCL - UCL)	EPA-8260	09/07/05	09/08/05 19:00	svm	MS-V4	1	BOJ0163			



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## Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0508813-10 Client Sample Name: 3312, U-7, U-7, 9/6/2005 8:58:00AM, Alex

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Date/Time	Analyst	Instrument ID	Dilution	Batch ID	QC	MB	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	09/07/05	09/08/05 19:30	svm	MS-V4	1	BOI0163	ND		
Ethylbenzene	ND	ug/L	0.50		EPA-8260	09/07/05	09/08/05 19:30	svm	MS-V4	1	BOI0163	ND		
Methyl t-butyl ether	10	ug/L	0.50		EPA-8260	09/07/05	09/08/05 19:30	svm	MS-V4	1	BOI0163	ND		
Toluene	ND	ug/L	0.50		EPA-8260	09/07/05	09/08/05 19:30	svm	MS-V4	1	BOI0163	ND		
Total Xylenes	ND	ug/L	1.0		EPA-8260	09/07/05	09/08/05 19:30	svm	MS-V4	1	BOI0163	ND		
Total Purgeable Petroleum Hydrocarbons	53	ug/L	50		EPA-8260	09/07/05	09/08/05 19:30	svm	MS-V4	1	BOI0163	ND		
1,2-Dichloroethane-d4 (Surrogate)	99.3	%	76 - 114 (LCL - UCL)		EPA-8260	09/07/05	09/08/05 19:30	svm	MS-V4	1	BOI0163			
Toluene-d8 (Surrogate)	99.5	%	88 - 110 (LCL - UCL)		EPA-8260	09/07/05	09/08/05 19:30	svm	MS-V4	1	BOI0163			
4-Bromofluorobenzene (Surrogate)	88.5	%	86 - 115 (LCL - UCL)		EPA-8260	09/07/05	09/08/05 19:30	svm	MS-V4	1	BOI0163			



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## Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID:	0508813-11	Client Sample Name:	3312, U-9, U-9, 9/6/2005	9:20:00AM, Basi/Alex										
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Date/Time	Analyst	Instrument ID	Dilution	Batch ID	QC	MB	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	09/07/05	09/08/05 20:00	svm	MS-V4	1	BOJ0163	ND		
Ethylbenzene	ND	ug/L	0.50		EPA-8260	09/07/05	09/08/05 20:00	svm	MS-V4	1	BOJ0163	ND		
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	09/07/05	09/08/05 20:00	svm	MS-V4	1	BOJ0163	ND		
Toluene	ND	ug/L	0.50		EPA-8260	09/07/05	09/08/05 20:00	svm	MS-V4	1	BOJ0163	ND		
Total Xylenes	ND	ug/L	1.0		EPA-8260	09/07/05	09/08/05 20:00	svm	MS-V4	1	BOJ0163	ND		
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		EPA-8260	09/07/05	09/08/05 20:00	svm	MS-V4	1	BOJ0163	ND		
1,2-Dichloroethane-d4 (Surrogate)	95.1	%	76 - 114 (LCL - UCL)		EPA-8260	09/07/05	09/08/05 20:00	svm	MS-V4	1	BOJ0163			
Toluene-d8 (Surrogate)	89.1	%	88 - 110 (LCL - UCL)		EPA-8260	09/07/05	09/08/05 20:00	svm	MS-V4	1	BOJ0163			
4-Bromofluorobenzene (Surrogate)	84.9	%	86 - 115 (LCL - UCL)		EPA-8260	09/07/05	09/08/05 20:00	svm	MS-V4	1	BOJ0163	\$09		



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## Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0508813-12 Client Sample Name: 3312, U-10, U-10, 9/6/2005 9:40:00AM, Basi/Alex

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Date/Time	Analyst	Instrument ID	Dilution	Batch ID	QC	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	09/07/05	09/12/05 21:33	svm	MS-V4	1	BOJ0163	ND		
Ethylbenzene	ND	ug/L	0.50		EPA-8260	09/07/05	09/12/05 21:33	svm	MS-V4	1	BOJ0163	ND		
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	09/07/05	09/12/05 21:33	svm	MS-V4	1	BOJ0163	ND		
Toluene	ND	ug/L	0.50		EPA-8260	09/07/05	09/12/05 21:33	svm	MS-V4	1	BOJ0163	ND		
Total Xylenes	ND	ug/L	1.0		EPA-8260	09/07/05	09/12/05 21:33	svm	MS-V4	1	BOJ0163	ND		
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		EPA-8260	09/07/05	09/12/05 21:33	svm	MS-V4	1	BOJ0163	ND		
1,2-Dichloroethane-d4 (Surrogate)	91.2	%	76 - 114 (LCL - UCL)	EPA-8260	09/07/05	09/12/05 21:33	svm	MS-V4	1	BOJ0163				
Toluene-d8 (Surrogate)	90.0	%	88 - 110 (LCL - UCL)	EPA-8260	09/07/05	09/12/05 21:33	svm	MS-V4	1	BOJ0163				
4-Bromofluorobenzene (Surrogate)	86.7	%	86 - 115 (LCL - UCL)	EPA-8260	09/07/05	09/12/05 21:33	svm	MS-V4	1	BOJ0163				



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## Volatile Organic Analysis (EPA Method 8260)

### Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample ID	QC Sample Type	Source Result	Spike Added	Units	RPD Recovery	Control Limits	
								Percent	Percent
Benzene	BOI0163	BOI0163-MS1	Matrix Spike	ND	26.390	25.000 ug/L	106	70 - 130	
		BOI0163-MSD1	Matrix Spike Duplicate	ND	26.980	25.000 ug/L	1.87	20	70 - 130
Bromodichloromethane	BOI0163	BOI0163-MS1	Matrix Spike	4.6600	28.070	25.000 ug/L	93.6	70 - 130	
		BOI0163-MSD1	Matrix Spike Duplicate	4.6600	27.570	25.000 ug/L	2.16	20	70 - 130
Chlorobenzene	BOI0163	BOI0163-MS1	Matrix Spike	ND	25.220	25.000 ug/L	101	70 - 130	
		BOI0163-MSD1	Matrix Spike Duplicate	ND	26.280	25.000 ug/L	3.88	20	70 - 130
Chloroethane	BOI0163	BOI0163-MS1	Matrix Spike	ND	26.100	25.000 ug/L	104	70 - 130	
		BOI0163-MSD1	Matrix Spike Duplicate	ND	27.800	25.000 ug/L	6.51	20	70 - 130
1,4-Dichlorobenzene	BOI0163	BOI0163-MS1	Matrix Spike	ND	25.480	25.000 ug/L	102	70 - 130	
		BOI0163-MSD1	Matrix Spike Duplicate	ND	26.470	25.000 ug/L	3.85	20	70 - 130
1,1-Dichloroethane	BOI0163	BOI0163-MS1	Matrix Spike	ND	26.500	25.000 ug/L	106	70 - 130	
		BOI0163-MSD1	Matrix Spike Duplicate	ND	27.310	25.000 ug/L	2.79	20	70 - 130
1,1-Dichloroethene	BOI0163	BOI0163-MS1	Matrix Spike	ND	27.410	25.000 ug/L	110	70 - 130	
		BOI0163-MSD1	Matrix Spike Duplicate	ND	28.360	25.000 ug/L	2.69	20	70 - 130
Toluene	BOI0163	BOI0163-MS1	Matrix Spike	ND	25.850	25.000 ug/L	103	70 - 130	
		BOI0163-MSD1	Matrix Spike Duplicate	ND	26.450	25.000 ug/L	2.87	20	70 - 130
Trichloroethene	BOI0163	BOI0163-MS1	Matrix Spike	ND	25.900	25.000 ug/L	104	70 - 130	
		BOI0163-MSD1	Matrix Spike Duplicate	ND	26.520	25.000 ug/L	1.90	20	70 - 130
1,2-Dichloroethane-d4 (Surrogate)	BOI0163	BOI0163-MS1	Matrix Spike	ND	9.3900	10.000 ug/L	93.9	76 - 114	
		BOI0163-MSD1	Matrix Spike Duplicate	ND	9.5400	10.000 ug/L	95.4	76 - 114	
Toluene-d8 (Surrogate)	BOI0163	BOI0163-MS1	Matrix Spike	ND	10.160	10.000 ug/L	102	88 - 110	
		BOI0163-MSD1	Matrix Spike Duplicate	ND	10.120	10.000 ug/L	101	88 - 110	
4-Bromofluorobenzene (Surrogate)	BOI0163	BOI0163-MS1	Matrix Spike	ND	9.6900	10.000 ug/L	96.9	86 - 115	
		BOI0163-MSD1	Matrix Spike Duplicate	ND	10.100	10.000 ug/L	101	86 - 115	



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## Total Petroleum Hydrocarbons

### Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample ID	QC Sample Type	Source	Result	Spike Added	Units	RPD Recovery	Control Limits	
									Percent	Percent
Diesel Range Organics (C12 - C24)	BO10331	BO10331-MS1	Matrix Spike	ND	2424.5	2500.0	ug/L	97.0	41 - 139	
		BO10331-MSD1	Matrix Spike Duplicate	ND	2732.2	2500.0	ug/L	111.7	30	41 - 139
Tetracosane (Surrogate)	BO10331	BO10331-MS1	Matrix Spike	ND	81.915	100.00	ug/L	81.9	42 - 125	
		BO10331-MSD1	Matrix Spike Duplicate	ND	91.660	100.00	ug/L	91.7	42 - 125	



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## Volatile Organic Analysis (EPA Method 8260)

### Quality Control Report - Laboratory Control Sample

Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Percent Recovery	Control Limits		
									Percent Recovery	RPD	Lab Quals
Benzene	BO10163	BO10163-BS1	LCS	27.360	25.000	0.50	ug/L	109	70 - 130		
Bromodichloromethane	BO10163	BO10163-BS1	LCS	25.520	25.000	0.50	ug/L	102	70 - 130		
Chlorobenzene	BO10163	BO10163-BS1	LCS	26.130	25.000	0.50	ug/L	105	70 - 130		
Chloroethane	BO10163	BO10163-BS1	LCS	28.500	25.000	0.50	ug/L	114	70 - 130		
1,4-Dichlorobenzene	BO10163	BO10163-BS1	LCS	27.100	25.000	0.50	ug/L	108	70 - 130		
1,1-Dichloroethane	BO10163	BO10163-BS1	LCS	27.730	25.000	0.50	ug/L	111	70 - 130		
1,1-Dichloroethene	BO10163	BO10163-BS1	LCS	28.920	25.000	0.50	ug/L	116	70 - 130		
Toluene	BO10163	BO10163-BS1	LCS	26.740	25.000	0.50	ug/L	107	70 - 130		
Trichloroethene	BO10163	BO10163-BS1	LCS	28.660	25.000	0.50	ug/L	115	70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BO10163	BO10163-BS1	LCS	9.6700	10.000		ug/L	96.7	76 - 114		
Toluene-d8 (Surrogate)	BO10163	BO10163-BS1	LCS	10.100	10.000		ug/L	101	88 - 110		
4-Bromofluorobenzene (Surrogate)	BO10163	BO10163-BS1	LCS	9.9500	10.000		ug/L	99.5	86 - 115		



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## Total Petroleum Hydrocarbons

### Quality Control Report - Laboratory Control Sample

Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Percent Recovery	Control Limits		
									RPD	Recovery	Percent
Diesel Range Organics (C12 - C24)	BO10331	BO10331-BS1	LCS	2668.2	2500.0	200	ug/L	108	62 - 101	L01	
Tetracosane (Surrogate)	BO10331	BO10331-BS1	LCS	89.680	100.00		ug/L	89.7	42 - 125		



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## Volatile Organic Analysis (EPA Method 8260)

### Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Benzene	BO10163	BO10163-BLK1	ND	ug/L	0.50	0.12	
Bromodichloromethane	BO10163	BO10163-BLK1	ND	ug/L	0.50	0.12	
Bromoform	BO10163	BO10163-BLK1	ND	ug/L	0.50	0.33	
Bromomethane	BO10163	BO10163-BLK1	ND	ug/L	1.0	0.21	
Carbon tetrachloride	BO10163	BO10163-BLK1	ND	ug/L	0.50	0.15	
Chlorobenzene	BO10163	BO10163-BLK1	ND	ug/L	0.50	0.12	
Chloroethane	BO10163	BO10163-BLK1	ND	ug/L	0.50	0.17	
Chloroform	BO10163	BO10163-BLK1	ND	ug/L	0.50	0.11	
Chloromethane	BO10163	BO10163-BLK1	ND	ug/L	0.50	0.17	
Dibromochloromethane	BO10163	BO10163-BLK1	ND	ug/L	0.50	0.14	
1,2-Dibromoethane	BO10163	BO10163-BLK1	ND	ug/L	0.50	0.11	
1,2-Dichlorobenzene	BO10163	BO10163-BLK1	ND	ug/L	0.50	0.077	
1,3-Dichlorobenzene	BO10163	BO10163-BLK1	ND	ug/L	0.50	0.14	
1,4-Dichlorobenzene	BO10163	BO10163-BLK1	ND	ug/L	0.50	0.14	
Dichlorodifluoromethane	BO10163	BO10163-BLK1	ND	ug/L	0.50	0.20	
1,1-Dichloroethane	BO10163	BO10163-BLK1	ND	ug/L	0.50	0.13	
1,2-Dichloroethane	BO10163	BO10163-BLK1	ND	ug/L	0.50	0.25	
1,1-Dichloroethene	BO10163	BO10163-BLK1	ND	ug/L	0.50	0.14	
cis-1,2-Dichloroethene	BO10163	BO10163-BLK1	ND	ug/L	0.50	0.19	
trans-1,2-Dichloroethene	BO10163	BO10163-BLK1	ND	ug/L	0.50	0.19	
1,2-Dichloropropane	BO10163	BO10163-BLK1	ND	ug/L	0.50	0.16	
cis-1,3-Dichloropropene	BO10163	BO10163-BLK1	ND	ug/L	0.50	0.13	
trans-1,3-Dichloropropene	BO10163	BO10163-BLK1	ND	ug/L	0.50	0.14	
Ethylbenzene	BO10163	BO10163-BLK1	ND	ug/L	1.0	0.44	
Methylene chloride	BO10163	BO10163-BLK1	ND	ug/L			



**BC Laboratories, Inc**

TRC Alton Geoscience  
21 Technology Drive  
Irvine CA, 92618-2302

Project: 3312  
Project Number: [none]  
Project Manager: Anju Farfan

Reported: 09/27/05 08:49

## Volatile Organic Analysis (EPA Method 8260)

### Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Methyl t-butyl ether	BO10163	BO10163-BLK1	ND	ug/L	0.50	0.15	
1,1,2,2-Tetrachloroethane	BO10163	BO10163-BLK1	ND	ug/L	0.50	0.23	
Tetrachloroethene	BO10163	BO10163-BLK1	ND	ug/L	0.50	0.15	
Toluene	BO10163	BO10163-BLK1	ND	ug/L	0.50	0.15	
1,1,1-Trichloroethane	BO10163	BO10163-BLK1	ND	ug/L	0.50	0.16	
1,1,2-Trichloroethane	BO10163	BO10163-BLK1	ND	ug/L	0.50	0.15	
Trichloroethene	BO10163	BO10163-BLK1	ND	ug/L	0.50	0.18	
Trichlorofluoromethane	BO10163	BO10163-BLK1	ND	ug/L	0.50	0.20	
1,1,2-Trichloro-1,2,2-trifluoroethane	BO10163	BO10163-BLK1	ND	ug/L	0.50	0.18	
Vinyl chloride	BO10163	BO10163-BLK1	ND	ug/L	0.50	0.16	
Total Xylenes	BO10163	BO10163-BLK1	ND	ug/L	1.0	0.40	
t-Amyl Methyl ether	BO10163	BO10163-BLK1	ND	ug/L	0.50	0.31	
t-Butyl alcohol	BO10163	BO10163-BLK1	ND	ug/L	10	10	
Diisopropyl ether	BO10163	BO10163-BLK1	ND	ug/L	0.50	0.25	
Ethanol	BO10163	BO10163-BLK1	ND	ug/L	1000	110	
Ethyl t-butyl ether	BO10163	BO10163-BLK1	ND	ug/L	0.50	0.27	
Total Purgeable Petroleum Hydrocarbons	BO10163	BO10163-BLK1	ND	ug/L	50	23	
1,2-Dichloroethane-d4 (Surrogate)	BO10163	BO10163-BLK1	96.8	%	76 - 114 (LCL - UCL)		
Toluene-d8 (Surrogate)	BO10163	BO10163-BLK1	101	%	88 - 110 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BO10163	BO10163-BLK1	88.6	%	86 - 115 (LCL - UCL)		



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## Total Petroleum Hydrocarbons

### Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Diesel Range Organics (C12 - C24)	BO10331	BO10331-BLK1	ND	ug/L	200	23	
Tetracosane (Surrogate)	BO10331	BO10331-BLK1	93.6	%	42 - 125 (LCL - UCL)		



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### Notes and Definitions

S09	The surrogate recovery on the sample for this compound was not within the control limits
L01	The Laboratory Control Sample Water (LCSW) recovery is not within laboratory established control limits.
J	Estimated value
A53	Chromatogram not typical of gasoline.
A52	Chromatogram not typical of diesel.
A01	PQL's and MDL's are raised due to sample dilution.
ND	Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Submission #: 05 8813

Project Code:

TB Batch #

## SHIPPING INFORMATION

Federal Express  UPS  Hand Delivery   
 BC Lab Field Service  Other  (Specify) \_\_\_\_\_

## SHIPPING CONTAINER

Ice Chest  Box   
 None  Other  (Specify) \_\_\_\_\_

Refrigerant: Ice  Blue Ice  None  Other  Comments: \_\_\_\_\_

Custody Seals: Ice Chest  Containers  None  Comments:  
 Intact? Yes  No  Intact? Yes  No

All samples received? Yes  No All samples containers intact? Yes  No Description(s) match COC? Yes  No 

**COC Received**  
 YES  NO

Ice Chest ID: R/W  
 Temperature: 2.2 °C  
 Thermometer ID: 98

Emissivity 1  
 Container Q+A

Date/Time 9/6/04 22:15  
 Analyst Init BRM

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL PHYSICAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
100ml TOTAL ORGANIC CARBON										
QT TOX										
PT CHEMICAL OXYGEN DEMAND										
PTA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	A-3	A-3	A-3	A-3	A-3	A-3	A-3	A-3	A-3	A-3
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
100ml EPA 547										
100ml EPA 531.1										
QT EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT QA/QC	B									
QT AMBER										
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE.										

Comments: \_\_\_\_\_

Sample Numbering Completed By: MRP Date/Time: 9/7/04 0030

Submission #: 05-8813

Project Code:

TB Batch #

## SHIPPING INFORMATION

Federal Express  UPS  Hand Delivery   
 BC Lab Field Service  Other  (Specify) \_\_\_\_\_

## SHIPPING CONTAINER

Ice Chest  None   
 Box  Other  (Specify) \_\_\_\_\_

Refrigerant: Ice  Blue Ice  None  Other  Comments: \_\_\_\_\_

Custody Seals: Ice Chest  Containers  None  Comments: \_\_\_\_\_  
 Intact? Yes  No  Intact? Yes  No

All samples received? Yes  No  All samples containers intact? Yes  No  Description(s) match COC? Yes  No

**COC Received**  
 YES       NO

Ice Chest ID: R/W  
 Temperature: 2.2 °C  
 Thermometer ID: 98

Emissivity: 1  
 Container: Q+A

Date/Time: 9/6/04 22:15  
 Analyst Init: ARM

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL PHYSICAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
100ml TOTAL ORGANIC CARBON										
QT TOX										
PT CHEMICAL OXYGEN DEMAND										
PIA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	A-3	A-0								
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
100ml EPA 547										
100ml EPA 531.1										
QT EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT QA/QC										
QT AMBER										
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE.										

Comments: \_\_\_\_\_

Sample Numbering Completed By: ARM Date/Time: 9/7/04 00:00





## **STATEMENTS**

### **Purge Water Disposal**

Non-hazardous groundwater produced during purging and sampling of monitoring was accumulated at TRC's groundwater monitoring facility at Concord, California, for transportation by Onyx Transportation, Inc., to the ConocoPhillips Refinery at Rodeo, California. Disposal at the Rodeo facility was authorized by ConocoPhillips in accordance with "ESD Standard Operating Procedures - Water Quality and Compliance", as revised on February 7, 2003. Documentation of compliance with ConocoPhillips requirements is provided by an ESD Form R-149, which is on file at TRC's Concord Office. Purge water containing a significant amount of liquid-phase hydrocarbons was accumulated separately in drums for transportation and disposal by Filter Recycling, Inc.

### **Limitations**

The fluid level monitoring and groundwater sampling activities summarized in this report have been performed under the responsible charge of a California Registered Geologist or Registered Civil Engineer and have been conducted in accordance with current practice and the standard of care exercised by geologists and engineers performing similar tasks in this area. No warranty, express or implied, is made regarding the conclusions and professional opinions presented in this report. The conclusions are based solely upon an analysis of the observed conditions. If actual conditions differ from those described in this report, our office should be notified.